

**ITEM 601 – SLOPE PROTECTION MISC: GROUT FILLED FABRIC MATS**

EMBANKMENT SLOPE PROTECTION EXTENDING FROM THE FACE OF THE ABUTMENT DOWN TO THE TOE OF SLOPE SHALL BE AS SPECIFIED IN ITEM 601.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATION EXCEPT AS MODIFIED HEREIN. THE FOLLOWING SHALL BE CONSIDERED AS SUPPLEMENTAL TO THE PROVISIONS SET FORTH THEREIN.

**MATERIAL:**

THE MATERIAL USED FOR EMBANKMENT SLOPE PROTECTION SHALL CONSIST OF SPECIALLY-WOVEN MULTIPLE PANELS OF DOUBLE LAYER, OPEN SELVAGE NYLON FABRIC, JOINED IN A MAT CONFIGURATION WITH 8" FILTER POINT SPACING, SIMILAR TO "FABRIFORM E" OR APPROVED ALTERNATE. THIS MAT SHALL BE FILLED WITH A GROUT CONSISTING OF A MIXTURE OF PORTLAND CEMENT, FINE AGGREGATE AND WATER SO PROPORTIONED AND MIXED AS TO PROVIDE A PUMPABLE SLURRY. PCZZOLAN AND GROUT FLUIDIFIER MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE MIX SHALL EXHIBIT A COMPRESSIVE STRENGTH OF 2000 P.S.I. AT TWENTY-EIGHT DAYS WHEN MADE AND TESTED IN ACCORDANCE WITH A.S.T.M. C-31 ND C-39.

**INSTALLATION:**

THE GROUT FILLED FABRIC MATS SHALL BE INSTALLED ON THE PREPARED SLOPE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE SIDES AND BOTTOM OF THE GROUT FILLED FABRIC MATS SHALL TERMINATE IN ANCHOR TRENCHES. THE TOP OF THE GROUT FILLED FABRIC MATS SHALL TERMINATE AT THE ABUTMENTS AGAINST 2" PREFORMED EXPANSION JOINT FILLER.

**MEASUREMENT FOR PAYMENT:**

GROUT FILLED FABRIC MATS WILL BE MEASURED BY THE SQUARE YARD OF FINISHED SURFACE COMPLETE IN PLACE.

**BASIS OF PAYMENT:**

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE BID FOR:

ITEM	UNIT	DESCRIPTION
601	SQ. YD.	SLOPE PROTECTION, MISC: GROUT FILLED FABRIC MATS

THIS PRICE SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM AS SPECIFIED.

**ITEM SPECIAL – VANDAL PROTECTION FENCE, 6 FEET STRAIGHT, COATED FABRIC**

ANCHOR BOLTS FOR VANDAL PROTECTION FENCE POSTS SHALL BE CAST IN PLACE WITH THE CONCRETE PARAPET. THE COLOR OF THE FABRIC SHALL BE COATED BLACK. SEE SHT. 17/13 AND 12/13 FOR LIMITS OF PLACEMENT.

**ESTIMATED QUANTITIES**

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SUPER.	ABUTS.	PIERS	GENERAL	AS
									PER PLAN SHEET #
202	11201	LUMP		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN				LUMP	18
503	21301	LUMP		UNCLASSIFIED EXCAVATION, AS PER PLAN					18
516	13600	28	SQ. FT.	1" PREFORMED EXPANSION JOINT FILLER				28	
516	46201	10	EACH	BEARING DEVICES, ROCKER, AS PER PLAN					19
516	46801	15	EACH	REFURBISH AND RESET BEARING, AS PER PLAN					19
516	47001	LUMP		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	LUMP				19
517	76300	110.33	LIN. FT.	RAILING (MISC.) (PIPE HANDRAIL)	88.83	21.5			
518	21201	40	CU. YD.	POROUS BACKFILL WITH FILTER FABRIC, AS PER PLAN		40			
519	11100	147	SQ. FT.	PATCHING CONCRETE STRUCTURES*		106	41		
601	21100	339	SQ. YD.	SLOPE PROTECTION MISC: GROUT FILLED FABRIC MATS				339	
SPECIAL	60739900	486	LIN. FT.	VANDAL PROTECTION FENCE, 6 FEET STRAIGHT, COATED FABRIC	462	24			
815	00100	LUMP		SURFACE PREPARATION OF EXISTING STEEL, SYSTEM OZEU					
815	00200	LUMP		FIELD PAINTING OF EXISTING STEEL, PRIME COAT, SYSTEM OZEU					
815	00300	LUMP		FIELD PAINTING OF EXISTING STEEL, INTERMEDIATE COAT, SYSTEM OZEU					
815	00400	LUMP		FIELD PAINTING OF EXISTING STEEL, FINISH COAT, SYSTEM OZEU					
815	00504	16	MAN HR.	GRINDING FINES, TEARS, SLIVERS					
842	71200	271	SQ. FT.	CONCRETE MISC: NEOPRENE SHEETING		271			
842	81400	50	LB.	CONCRETE MISC: REPLACEMENT OF CORRODED REINFORCING STEEL					
843	50000	16	SQ. FT.	PATCHING CONCRETE STRUCTURE WITH TROWELABLE MORTAR*		2	14		
844	48001	309	CU. YD.	HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE (DECK), AS PER PLAN	309				19
844	48021	148	CU. YD.	HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE (PARAPET), AS PER PLAN	148				19
844	48040	9	CU. YD.	HIGH PERFORMANCE CONCRETE, SUBSTRUCTURE		9			
SPECIAL	86319000	LUMP		HEAT STRAIGHTENING OF DAMAGED STRUCTURAL STEEL	LUMP				
863	20000	1494	EACH	WELDED STUD SHEAR CONNECTORS	1494				
864	10050	667	SQ. YD.	SEALING CONCRETE SURFACES (NON-EPOXY)	445		222		
864	10100	647	SQ. YD.	SEALING CONCRETE SURFACES (EPOXY-URETHANE)	640	7			

\* AS DIRECTED BY THE ENGINEER

