

ROADWAY

ITEM SPECIAL - GEOTEXTILE FABRIC

DESCRIPTION. THIS ITEM SHALL CONSIST OF FURNISHING AND PLACING A SEPARATION GEOTEXTILE FABRIC ON THE COMPLETED AND ACCEPTED UNDERCUT IN ACCORDANCE WITH THESE SPECIFICATIONS, ANY SUPPLEMENTAL SPECIFICATIONS OF THE FABRIC MANUFACTURER, THE PLAN DETAILS AND AT THE DIRECTION OF THE ENGINEER.

MATERIAL. THE GEOTEXTILE FABRIC SHALL CONFORM TO SECTION 712.09 (TYPE D) OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS, EXCEPT THAT THE REQUIREMENTS SHALL BE AS MODIFIED HEREIN:

TYPE D: SUBGRADE - SUBBASE SEPARATION

MINIMUM TENSILE STRENGTH	180 LBS. (AS STATED)
MAXIMUM ELONGATION AT 170 LBS.	N/A
MINIMUM TEAR STRENGTH	75 LBS.
MINIMUM BURST STRENGTH	290 PSI.
MINIMUM PUNCTURE STRENGTH	80 LBS.
APPARENT OPENING SIZE	SAME AS TYPE A (AS STATED)
PERMEABILITY	1 x 10 ⁻³ CM/SEC (AS STATED)

CONSTRUCTION REQUIREMENTS:

GEOTEXTILE PACKAGING AND STORING. THE GEOTEXTILE ROLLS SHALL BE FURNISHED WITH SUITABLE WRAPPING FOR PROTECTION AGAINST MOISTURE AND EXTENDED ULTRAVIOLET EXPOSURE PRIOR TO PLACEMENT. EACH ROLL SHALL BE LABELED OR TAGGED TO PROVIDE PRODUCT IDENTIFICATION SUFFICIENT FOR FIELD IDENTIFICATION, AS WELL AS INVENTORY AND QUALITY CONTROL PURPOSES. ROLLS SHALL BE STORED IN A MANNER WHICH PROTECTS THEM FROM THE ELEMENTS. IF STORED OUTDOORS, THEY SHALL BE ELEVATED AND PROTECTED WITH A WATERPROOF COVER.

GEOTEXTILE EXPOSURE FOLLOWING PLACEMENT. EXPOSURE OF GEOTEXTILES TO THE ELEMENTS BETWEEN LAY DOWN AND COVER SHALL BE KEPT TO A MINIMUM. DESIRABLY, GEOTEXTILES SHOULD BE PLACED AND COVERED AS QUICKLY AS POSSIBLE.

SITE PREPARATION. THE INSTALLATION SITE SHALL BE PREPARED IN ACCORDANCE WITH ITEM 203 - SUBGRADE COMPACTION. REMOVE ALL SHARP OBJECTS AND LARGE STONES FROM THE SUBGRADE.

INSTALLATION. THE GEOTEXTILE SHALL BE UNROLLED AS SMOOTHLY AS POSSIBLE ON THE PREPARED SUBGRADE IN THE DIRECTION OF CONSTRUCTION TRAFFIC. WRINKLES SHALL BE AVOIDED. ADJACENT GEOTEXTILE ROLLS SHALL BE OVERLAPPED TWO (2) FEET IN THE DIRECTION OF SUBBASE PLACEMENT. THE GEOTEXTILE MAY BE HELD IN PLACE PRIOR TO SUBBASE PLACEMENT BY PINS, STAPLES, OR PILES OF SUITABLE MATERIAL. ON CURVES, THE GEOTEXTILE MAY BE FOLDED OR CUT TO CONFORM TO THE CURVES. THE FOLD OR OVERLAP SHALL BE IN THE DIRECTION OF CONSTRUCTION AND HELD IN PLACE AS DESCRIBED ABOVE.

SEWN OR SEALED SEAMS. BOTH FACTORY AND FIELD SEWN OR SEALED SEAMS SHALL CONFORM TO THE APPLICABLE STRENGTH REQUIREMENTS OF THE 'MATERIALS' SECTION SPECIFIED HEREIN. ALL SEAMS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

ITEM SPECIAL - GEOTEXTILE FABRIC (CONT.)

SUBBASE PLACEMENT. THE SUBBASE SHALL BE PLACED BY END DUMPING ONTO THE GEOTEXTILE FROM THE EDGE OF THE GEOTEXTILE OR OVER PREVIOUSLY PLACED SUBBASE AGGREGATE. CONSTRUCTION TRAFFIC DIRECTLY ON THE GEOTEXTILE, ALONG WITH ANY SUDDEN STOPS, STARTS OR TURNS ON THE MATERIAL BY CONSTRUCTION EQUIPMENT SHALL BE AVOIDED. USING A MOTOR GRADER OR BULLDOZER, SPREAD THE SUBBASE MATERIAL FROM THE BACK DUMPED PILE. MAINTAIN A MINIMUM LIFT THICKNESS OF SIX (6) INCHES. IF VIBRATORY COMPACTORS ARE USED, REASONABLE COMPACTION AND RUT STABILITY MUST FIRST BE ESTABLISHED BY THE SUBBASE SPREADING EQUIPMENT.

DAMAGE REPAIR DAMAGED GEOTEXTILES, AS IDENTIFIED BY THE ENGINEER, SHALL BE REPAIRED IMMEDIATELY. CLEAR THE DAMAGED AREA, PLUS AN ADDITIONAL THREE (3) FEET AROUND THE DAMAGED AREA OF ALL FILL MATERIAL. COVER THE DAMAGED AREA WITH A GEOTEXTILE PATCH EXTENDING THREE (3) FEET BEYOND THE PERIMETER OF THE DAMAGE, REPLACE THE REMOVED SUBBASE MATERIAL, COMPACTING TO THE SPECIFIED DENSITY.

METHOD OF MEASUREMENT. THE GEOTEXTILE SHALL BE MEASURED BY THE NUMBER OF SQUARE YARDS FROM THE PAYMENT LINES ESTABLISHED IN WRITING BY THE ENGINEER. THIS EXCLUDES SEAM OVERLAPS.

EARTHWORK AND SUBBASE ITEMS ARE MEASURED AND PAID SEPARATELY.

BASIS OF PAYMENT. THE ACCEPTED QUANTITIES OF GEOTEXTILE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD ACCEPTED IN PLACE.

PAYMENT WILL BE MADE UNDER ITEM SPECIAL - GEOTEXTILE FABRIC.

THE FOLLOWING ESTIMATED QUANTITY SHALL BE INCLUDED IN THE GENERAL SUMMARY TO BE USED AS OUTLINED ABOVE AND AS DIRECTED BY THE ENGINEER:

ITEM SPECIAL - GEOTEXTILE FABRIC 1000 SQ. YD.

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GENERAL NOTES

LAK-90-6.71