Subgrade remediation at building foundations to be included in base bid:

Option 2 - is a shallow foundation system bearing on engineered fill overlying existing undocumented fill materials. This option requires a removal of the fill soils to a depth of about one foundation width (1B) below the foundation bearing elevations and replaced with compacted engineered fill such as crushed stone.

Subgrade remediation at paving areas to be included in base bid:

Item	Value

3. We anticipate that approximately 6 to 10 percent hydrated lime will be required to treat the subgrade soils. We suggest 8% lime be used for bidding purposes with add/deduct line items for 1 to 2% above or below the base bid items. Prior to the application of lime to the subgrade, the optimum percentage of lime to be added should be determined based on Plasticity Index (TEX-112-E) and/or pH (ASTM D 6276) laboratory tests conducted on mixtures of the subgrade soils with lime. Subgrade soil samples should be obtained from the pavement areas as the proposed final subgrade elevation. Please note these tests require up to 5 business days to complete.

4. The lime should initially be blended with a mixing device such as a Pulvermixer, sufficient water added, and allowed to cure for at least 48 hours. After curing, mixing should continue until gradation requirements of TxDOT Item 260.4.4 are achieved. The mixture should be moisture adjusted and compacted as outlined in **Earthwork**. Preparation of the lime-treated subgrade should extend at least 24 inches beyond curbs or edge of pavements, whichever is greater.

5. Subgrade should not dry out or become saturated prior to pavement construction. The pavement subgrade should be thoroughly proof-rolled as outlined in **Earthwork**. Particular attention should be paid to areas along curbs, above utility trenches, and adjacent to landscape islands, manholes, and storm drain inlets. Preparation of the moisture conditioned subgrade should extend at least 24 inches beyond curbs or edge of pavements, whichever is greater.