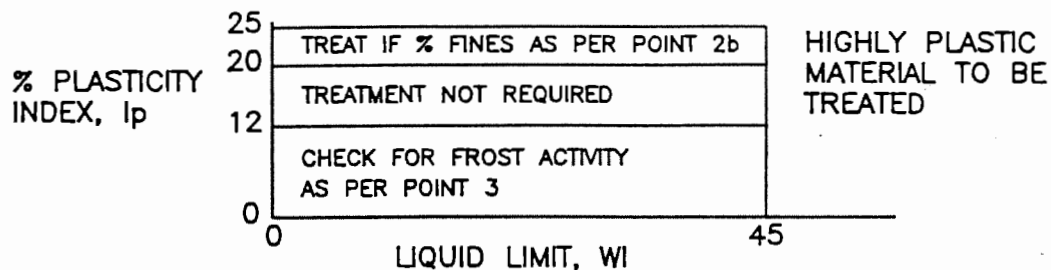


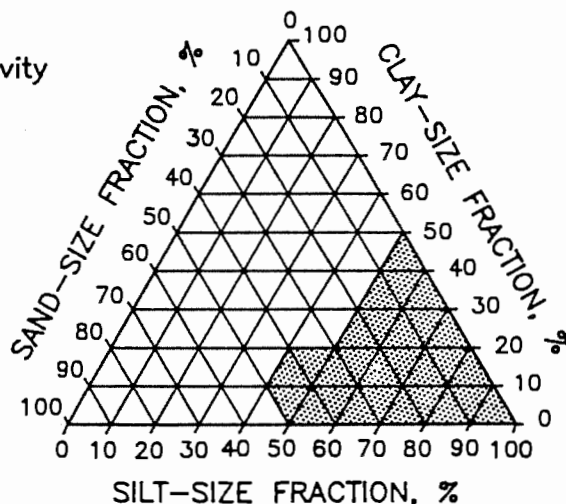
1. If $< 50\%$ of the material passes the $71 \mu\text{m}$ sieve then no treatment is required. Treatment as per note 1 below is required when a material has $\geq 75\%$ passing the $71 \mu\text{m}$ sieve.
2. If the percent passing the $71 \mu\text{m}$ sieve is $\geq 50\%$ and $< 75\%$, then:
 - a) material that has a $Ip > 25\%$ or a $Wl > 45\%$ requires treatment;
 - b) material that falls in the range $20\% \leq Ip \leq 25\%$ and $Wl \leq 45\%$ should be treated if it has:
 - i) $> 70\%$ passing the $71 \mu\text{m}$ sieve and it is to be built in Zone² A;
 - ii) $\geq 65\%$ passing the $71 \mu\text{m}$ sieve and it is to be built in Zone² B, C or D.
 - c) material that has a $Wl \leq 45\%$ and a $Ip \leq 12\%$ must be checked for frost activity.



3. For material that falls in the area that requires checking for frost activity complete a hydrometer analysis and plot the result on the triangular chart. If it plots in the shaded area then it requires select.

SIZE PARTICLES

SAND— 5 mm to $71 \mu\text{m}$
 SILT — $71 \mu\text{m}$ to $2 \mu\text{m}$
 CLAY — less than $2 \mu\text{m}$



Notes:

1. — Treatment involves either select sand, select till or lime modification.
2. — Environmental zones are shown on Standard Plan 22005.



Saskatchewan
Highways and
Transportation

LOW VOLUME ROADS SUBGRADE SUPPORT CRITERIA

RECOMMENDED BY:	<i>[Signature]</i>	DIRECTOR TECH. STDS. & POLICIES	DATE	92-11-06	STANDARD PLAN NO	22000
APPROVED BY:	<i>[Signature]</i>	ASSIST. DEPUTY MINISTER INFRASTRUCTURE DIVISION	DATE	92-12-07	SHEET	1 of 1