To enable the engineer to judge of
the probable effects which the bridge,
when erected, may have upon the
natural regimen of the Water-course.
The object of the Survey is to
ascertain thoroughly the natural feature
of the surface, the Nature of the
Subsoil of the bed and banks
of the Water-course and the Character
of the Water-course at its different
phases of high and low water.
We should also inquire into the
changes, occasioned either by permanent
or by accidental causes, as from
the effects of extraordinary floods, or
from the construction of bridges.