# Index 414 Type K Temporary Concrete Barrier System

## Design Criteria

***NCHRP Report 350*** Test Level 3 Criteria; ***AASHTO LRFD Bridge Design Specifications***, 6th Edition, Section 13; ***Structures Design Guidelines (SDG)***

## Design Assumptions and Limitations

The Type K Temporary Concrete Barrier System has been crash tested to ***NCHRP Report 350*** Test Level 3 criteria or structurally evaluated to meet the requirements of ***NCHRP Report 350*** Test Level 3 criteria for the installation configurations as shown on the Design Standard utilizing the types, sizes, lengths, shapes, strengths and grades of the fabrication and installation materials as shown.

Type K Barriers are required for temporary installations on bridges for traffic separation, shielding drop-offs and shielding work zones without drop-offs. Type K Barriers are required for temporary installations on retaining walls for shielding drop-offs. Type K Barriers can be used on roadways for traffic separation and for shielding work zones, above ground hazards and drop-offs.

## Plan Content Requirements

Designate location(s) where Type K's are to be used along with installation requirements, e.g. freestanding, bolted or staked down, or backfilled.

In order to maintain crashworthiness of the system, do not specify different grades, sizes, shapes or types of reinforcing steel for those shown for constructing Type K Barriers. Also, do not specify different type, size, length or material grade anchor bolts, nuts, washers, adhesives, connector pins, stakes, keeper pins, or guardrail components for installing Type K Barriers. Use only in the configurations shown on the ***Design Standard***.

In the Structures Plans:

Show and label Type K Barriers on the Construction Sequence drawings and other sheets as required. Show offsets to drop-offs, above ground hazards and adjacent lanes as appropriate. Include cross references to ***Design Standards*** Index 414.

In the Roadway Plans:

Show and label Type K Barriers on the Traffic Control Plans and other sheets as required. Show offsets to drop-offs, above ground hazards and adjacent lanes as appropriate. Include cross references to ***Design Standards*** Index 414.

## Payment

| Item number | Item description | Unit Measure |
|---|---|---|
| 102-71-14 | Barrier Wall, Temporary, F&I, Type K | LF |
| 102-71-24 | Barrier Wall, Temporary, Relocate, Type K | LF |
| 102-79 | Lights, Barrier Wall Mount, Temp, Type C, Steady Burn | ED |