

CONCRETE PAD

GENERAL NOTES

- I. The energy obsorbing unit represented on this standard drawing is a proprietary design by Roadway Safety Service, Inc. and marketed under the trade name REACT 350, short for Reusable Energy Absorbing Crash Terminal. Any Infringement on the rights of the decisioner shall be the sole responsibility of the user.
- 2. This standard drawing is produced by the Florida Department Of Transportation solely for use by the Department and its assignees. This standard drawing provides the general graphics and information necessary to field identify component parts of the REACT 350 and their incorporation into a whole unit.
- 3. This standard drawing is sufficient for pion details for the REACT 350 installed as a free standing unit shielding safety staped concrete barrier wall ends and for that use precludes the requirement for shap drawing submittals unless the plans otherwise could for such supmittals, use of the REACT 350 for shielding other hazards will require plan details, step drawings, oth where
- The REACT 350 shall be assembled and installed in accordance with the manufacturer's detailed drawings, procedures and specifications.
- 5. Concrete foundations shall be constructed with 4000 psi min compressive strength concrete
- 6. The REACT 350 is suitable for speeds <60 mph.
- 7. The REACT 350 shall be constructed on cross slones I + IO or flatter.
- 8. On facilities will speaked of 45 mgh, the REAT 150 can be used in any localize specifies by the piece or to pleastness permit. On Facilities will speaked 500 cm plus units aften of the used in former medicine series can impact trajectory from end on craptes i retaunal will requir in the crash whiche rebunding histo apposition from the local inpact foundations when the crash whether is sizely in obcoded this either the continuing or despiring from fifty there may unlist on the used in medicine makes the crash whether is sizely in obcoded this either the continuing or despiring from fifty there may unlist on the used in medicine.
- Due to the overall unit height of 4'-0", which exceeds the drivers height of eye, caution is to be exercised in locating the REACT 350 to good blockage of required sight distance.
- IO. All metallic components shall meet the palyanizing requirements for quardrall, ladex No. 400.
- II. A yellow Type I Object Marker shall be centered 3' in front of the nose of the REACT 350. Mounting hardware shall be in conformance with Index Nos. IMPO and IMPS. The cost of the Object Marker shall be included in the cost of the REACT 350.
- 12. For REACT 350 units that have been impacted by vehicle crashes and are to remain in service, close inspection must be made on the anchorages of the front cable anchor plates and the rear pylan; the anchorages must be in design condition when restoration is complete.
- 3. Quantity for payment of both permanently and responsity installed REACT 350 units will be based on each independent installations called for in the plans or as directed by the Engineen-Ryment for the permanenthy installed REACT 350 is for on assembled and installed pyterin including the Condition, and will be point for under the contract unit price for impact Attribution Techniques or the contract unit price for impact Attribution Techniques and the Condition of the Permanent Installation with the oddition of installation with under the contract unit price for Vehicular Impact Attribution I Temporary I REACT 350 (), or when the REACT 350 () is used as no option to accordance with these to ACT in with be poll for under the contract unit in price for Vehicular impact Attribution I Temporary I ReaCT 350 ().

DESIGN NOTES

- I. The REACT 350 is designed to cushion automobile end on hits and to redirect automobiles from side hits. The number of cylinders to be used in a specific unit will be determined by the design speed, except where the Engineer determines that another speed is more applicable.
- 2. The REACT 350 is a restorable system that is portfoliorly suited to subsiding hazards in areas with a history of frequent errant vehicle repartners from the roodway or the potential exists for such deportures. Until further development is completed in the application of the REACT 350 is shielding other hazards, this index is limited to use with safety shaped concrete concrieve with. The REACT 350 one is not suited to shielding or when hazards.
- 3. The REACT 350 cosh data accepted by the Federal Highway Abministration (FHFA) covers vehicular insports at seeds of 50 mph with 9 (pinder units and 6 ship with 40 (pinder units the 6 city of the vehicular insports of a member of the vehicular country of the vehicular distribution accept on relative energy insported by an insporting vehicle of a vehicular species. Until creat field sobs, accident data or other in units of boothest where species are 55 mg/n of (88.5 of CVINIQEET REQUIREMENTS) takes does use of the six of Gylinder units of boothest where species are 55 mg/n of (88.5 of CVINIQEET REQUIREMENTS) takes does use of the six of Gylinder units of boothest where species are 55 mg/n of (88.5 of CVINIQEET REQUIREMENTS) takes does use of the six of Gylinder units of the country of t
- 4. The REACT 350 is a proprietary device with distinct performance, vehicular reasons and restoration characteristics, unlike other redirective cross cushions. Currently the Department recognizes the devices selective features and does not recognize other proprietary devices as equal alternatives, and until such alternatives are available the REACT 350 need not be bid against other proprietary flexis.



Drawn By MKH 8-95 Checked By MC 8-95

REACT 350

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