

ANAS Directorate General
Motorway Concessions Supervisory Inspectorate

Single Concession Arrangement
ANAS SpA
AUTOSTRADE PER L'ITALIA SpA

ANNEX: F

WORKS CLASSIFICATION:
F1) ROUTINE MAINTENANCE
F2) INFRASTRUCTURE UPGRADE

ANNEX F

THIS REGARDS THE TYPE OF WORKS, CLASSIFIED AS SHOWN BELOW, TO BE UNDERTAKEN BY THE OPERATOR AS PART OF THE WORKS PROGRAMME PREPARED IN ACCORDANCE WITH THE INSTRUCTIONS ISSUED BY THE GRANTOR, AND SENT FOR EXAMINATION BY THE LATTER PURSUANT TO ART. 3, PARAGRAPH 1 G) OF THE CONCESSION ARRANGEMENT BY 30 NOVEMBER EACH YEAR, PRIOR TO IMPLEMENTATION OF THE PROGRAMME THE FOLLOWING YEAR:

- 1. ROUTINE MAINTENANCE – F1.**
- 2. INFRASTRUCTURE UPGRADE SERVICES (OTHER INVESTMENT) – F2.**

CLASSIFICATION OF ROUTINE MAINTENANCE WORKS

Carriageway

Paving

These include all operations and works that do not substantially alter the structural and load-bearing characteristics of the paving and that regard renovation and resurfacing of the various layers.

- a. renovation of the grip of the wearing course
- b. temporary waterproofing with surface treatments
- c. repair of potholes and ruts
- d. small localised repairs
- e. repair by removal and subsequent reconstruction of bituminous conglomerates
- f. resurfacing with on-site recycling
- g. restoration of load-bearing capacity and of deep layers over partial sections
- h. covering and/or strengthening of renovated stretches
- i. etc.

Engineering works

These include all operations and works designed to protect and conserve infrastructure without altering the static system and the size and load-bearing characteristics.

- a. repair of pillars and supports
- b. repair and replacement of joints and bearings
- c. waterproofing of constructions and subsequent resurfacing
- d. restoration and anti-corrosive protection of concrete and rebars
- e. sealing of fissures and cracks
- f. repair and partial restoration of foundations and decks
- g. repair and replacement of railings, barriers and fencing
- h. painting and re-plastering
- i. repair and restoration of drainage facilities
- j. repair and renovation of manhole ladders and retaining walls
- k. etc.

Tunnels

- a. repair of damage caused by wear and tear, landslides, water seepage, etc.
- b. renovation arising from chemical and physical deterioration
- c. drainage of dripping water
- d. repair and resurfacing of footpaths and pavements
- e. repair of hydraulic works

- f. repair and restoration of cladding
- g. re-painting and re-plastering
- h. unblocking of central drains and shafts
- i. etc.

Other carriageway components

These include all operations and works designed to protect, conserve and restore other carriageway components.

- a. landslide clearance
- b. maintenance of small embankments and escarpments
- c. maintenance and renovation of bank protection
- d. cleaning of riverbeds
- e. arrangement and restoration of slopes
- f. drainage
- g. maintenance of ancillary platform components (ditches, grass verges, levees, etc.)
- h. etc.

Safety

These include all operations and works aimed at the renovation and incorporation of protection and warning systems and maintaining their efficiency.

- a. replacement and repair of deteriorated and damaged road sign supports and equipment
- b. painting of road sign supports
- c. cleaning of road signs
- d. compliance with new road sign regulations
- e. restoration or re-painting of road markings
- f. repair, replacement and incorporation of safety barriers and viaduct protection works

Plant

Toll collection

These include all operations and works aimed at guaranteeing the smooth operation and good working order of toll collection apparatus and equipment and the related ancillary equipment for data recording, transmission and processing.

- a. painting of booths and platform roofs
- b. window replacement
- c. replacement of damaged and deteriorated booths

- d. replacement of platforms, magnetic coils, etc.
- e. repair and renovation of ticketing equipment
- f. repair and replacement of electronic components
- g. etc.

Green spaces and cleaning

These include all operations and works aimed at the maintenance and incorporation of green spaces; ensuring the discharge capacity of hydraulic works; and keeping carriageways and the related areas clear of rubbish.

- a. seeding
- b. grass mowing and pruning of trees and shrubs
- c. mechanical and chemical weeding
- d. bramble clearance
- e. planting of plants and shrubs
- f. antiparasitic treatments
- g. unblocking of manholes and ditches
- h. sundry cleaning
- i. etc.

Winter operations

These include all operations and works aimed at the maintenance and incorporation of green spaces; ensuring the discharge capacity of hydraulic works; and keeping carriageways and the related areas clear of rubbish. *[This paragraph has obviously been incorrectly inserted]*

- a. rental of snow ploughs and salt spreaders
- b. maintenance and repair of company-owned snow ploughs and salt spreaders
- c. procurement and use of melting salts and abrasives
- d. maintenance and repair of mixing and storage equipment
- e. maintenance and replacement of blades and salt spreaders
- f. etc.

Buildings

- a. painting and re-plastering
- b. internal modifications and restructuring
- c. small external modifications and restructuring
- d. repair of roofing, floors, staircases, etc.
- e. servicing, repair and replacement of building plant
- f. etc.

Sundry supplies and maintenance

These include all operations and works regarding the conservation and restoration of parts, plant and equipment maintenance not included under the above items.

- a. maintenance of firefighting equipment
- b. maintenance of variable message sign equipment
- c. maintenance of toll station traffic signals
- d. elimination of rats in electricity substations and culverts
- e. etc.

ANNEX F2

INFRASTRUCTURE UPGRADE SERVICES (OTHER INVESTMENT)

The works included in this annex come under “other investment” (art. 2), namely unspecified works to be implemented entirely in the areas operated under concession. By way of example, the main types of work are shown below.

UPGRADE OF SERVICE AREAS AND OPERATIONAL BUILDINGS

1) Service areas: resurfacing works and ancillary works, plant, green engineering, road signs.
2) Buildings: installation of tanks for winter operations; compliance of operating facilities; compliance of Traffic Police posts; compliance, internal standardisation and retrofitting of Punto Blu and Section Department offices; compliance and retrofitting of workshops; and other minor compliance interventions regarding operational buildings.

SAFETY STANDARD IMPROVEMENTS

1) Carriageway: small-scale geotechnical, hydraulic, viaduct, underpass, overpass and tunnel works to protect existing structures and infrastructure reorganisation due to accidents and/or disasters; environmental additions; and cultural works.
2) Safety works: upgrade of warning signs; prevention for specific blackspots; upgrade of barriers and improved protection of openings and sundry obstacles; and installation of windbreaks.

TECHNOLOGICAL IMPROVEMENT OF PLANT

Installation, replacement and development of plant and centralised hardware for traffic management, toll collection and safety; installation, replacement and development of plant for operational service buildings.

JUNCTIONS, TOLL STATIONS AND REMAINING INVESTMENT IN NEW MOTORWAYS

1) Telepass/Automation: reorganisation/standardisation of tollgates.
2) Junctions: junction works to guarantee improved traffic flow.
3) Toll stations: reorganisation, standardisation, upgrade and redevelopment of tollgates, renovation and/or upgrade of toll station road signs.

OTHER CAPITALISED UPGRADE AND MAINTENANCE WORKS

Capitalisable maintenance works such as overlay of draining pavement as an additional surface layer.