



3.3.5 Flood protection measures in Chodouny-Lounky

This pilot action is elaborated by the Ústí Region within the project LABEL and is about the concrete flood protection measures in Chodouny-Lounky.

The aim of this project is the processing of the documentation (plan) for spatial control. The documentation is related to the flood protection measures in the municipality Chodouny-Lounky. The processing of the documentation includes the securing of all necessary documents also for the issuing of the spatial planning permission and obtaining of the legally effective spatial planning permission.

The municipality Chodouny, local part Lounky, which relates to the prepared flood measures, lies on the right bank of the river Elbe between the towns Roudnice nad Labem and Litoměřice. The location of the municipality Chodouny and its local part Lounky is tightly on the banks of the river Elbe and even in the mild depression. This village was hit by floods several times in last years. Above all extreme flood in August 2002 and flood in April 2006. The village is already flooded by the flood with Q20 (i.e. flood with the probability once in twenty years). The municipality Chodouny-Lounky is situated at the altitude of 181 m above sea level.

Part of the documentation for spatial control is also geodetic measurement, engineering geological survey, consultation with representatives of professional bodies especially in the field of nature protection and consultation with all relevant authorities.

The result of the processing of the documentation is the proposed flood protection to the level of the quota of 152,70 meters above sea level. It is the dimension of Q100 ("hundred-water") with 30 centimetres security difference. Flood protection is composed of the iron-concrete wall in the northern part, of the earth pour dike and iron-concrete wall in the southern part. Height of the wall will move in range from 0,00 meter to 3,2 meters. The length of the wall will be 216 meters. The wall will be completed with mobile dike components in the places of the crossing with the main road. The length of the earth pour dike will be 450 meters and the height of the dike will be from 2,7 to 5,00 meters. Part of the flood protection measures are also the necessary adaptation of the utilities, especially sewer, water mains and electrical lines.

Total costs of the building of this flood protection measures are 42 Million CZK (ca. 1,71 mil. Euro). The documentation was completed in September 2009. The output of this project is the documentation for the spatial control and the legally effective spatial planning permission for this building. The spatial planning permission was issued by the responsible Building Authority, i.e. by Municipal Authority in Roudnice nad Labem, Building Authority, reference numbers SU/69881/2009/Fi, SU/7155/2010 dated 19.1.2011. The spatial planning permission came into force in 3.8.2010.

