

resources by the proposed action is consistent with the maintenance and enhancement of long-term productivity.

3.19 Irreversible and Irretrievable Commitment of Resources

The Build Alternative would involve committing a range of natural, physical, human, and fiscal resources. Land acquired for constructing the proposed project is considered an irreversible commitment during the period the land is used for highway purposes. Right-of-way requirements would convert land from residential, commercial, and natural resource uses to transportation use. The Build Alternative is generally compatible with land use patterns within the project area, and adjacent land uses would remain consistent.

Fossil fuel, labor, and highway construction materials, such as steel, cement, aggregate, and asphalt, would be required during construction. Considerable labor and natural resources would be used in construction. Those resources generally are irretrievable (although they can be recycled somewhat), but their use overall would not adversely affect continued availability.

The Build Alternative would require irretrievable federal, state, and local funding. Land converted from private to public uses would reduce local tax revenues.

Resources are committed based on the concept that residents in the project area, the region, and the state benefit from the improvements brought about by the proposed project. Improved access to commercial and industrial areas, reduced travel times, and increased economic development are expected to outweigh the commitment of resources in the long-term.

3.20 Permits and Approvals

Implementation of the EO-WB project would require regulatory permits and approvals. The primary federal and state permits and approvals are listed below and briefly described in the following subsections.

- Section 404 of the CWA permit from USACE.
- Section 401 of the CWA water quality certification from IEPA.
- Confirmation that the soil erosion and sediment control plan meets technical standards from the North Cook County and/or Kane/DuPage County SWCD.
- Section 402 of the CWA NPDES construction permit from IEPA.
- Section 402 of the CWA general NPDES permit for pesticide application point source discharges from IEPA.
- Construction in floodplains and floodways of rivers, lakes, and streams permits from IDNR-OWR.
- IWPA approval from IDNR.
- Land or Land Use Release approval from FAA.

