

NBE Data Acquisition Guide

NBE survey files

- The NBE downloader and process scripts are located at [here](#)
- The raw data NBE is in XML format and it is located at the FHWA website.

Steps

1. Clone/Download the nbi repository.

```
git clone https://github.com/kaleoyster/nbi
```

2. Within it nbi repository the scripts are located in nbe folder.

```
cd nbi/nbi-utilities/data_gen/nbe/
```

3. Select NBE file by states and years for download within main function of nbe_downloader.py.

```
def main():  
    """  
    Driver function  
    """  
    directory_name = 'nbe-data'  
    try:  
        os.mkdir(directory_name)  
    except:  
        pass  
  
    # Select years  
    years = [2015,  
             2016,  
             2017,  
             2018,  
             2019,  
             2020,  
             2021  
            ]  
  
    # Select states  
    state = ['AK',  
            'AL',  
            'AR',  
            'CO',  
            'DE',
```

```
'DC',  
'HI',  
'ID']
```

4. Run NBE downloader to download ZIP files with in the **nbe-data** folder.

```
python nbe_downloader.py
```

5. Run NBE process to extract zip files and transform XML to CSV file.

```
python process_nbe.py
```

The processed nbe CSV file will saved in **nbe-data-processed** folder.