© IL Rte 64

Median or Lane

12'-0"

Lane

Varies

4" Stabilized Sub-base

Embankment

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

6'-0"

Shoulder

Varies from 6'-0"

to 12'-0" Shoulder

6'-0"

Moment Slab

See Note 3

12'-0"

Shoulder (See Note 3)

Soil Reinforcement

Select Backfill

-Existing Ground Line

12'-0"

Lane

Varies from 12'-0'

to 0'-0" Lane

2.5%

12'-0"

Lane

Select

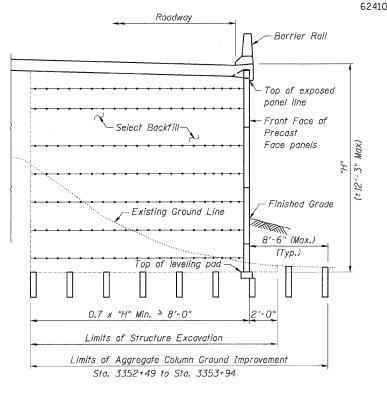
Backfill

2.0%

Limits of

reinforced soil mass





SECTION

NOTES:

- 1. For General Notes, see Sheet NW2.
- 2. For Moment Slab Details, see Sheets NW5 thru NW7.
- 3. Shoulder Slopes: Sta. 3349+70.04 to Sta. 3355+10.00: 4.0% Sta. 3355+10.00 to Sta. 3355+63.67: Varies 4.0% to 2.0%

AGGREGATE COLUMN GROUND IMPROVEMENT:

- 1. Aggregate Column Ground Improvement shall be designed and installed by the Contractor in accordance with the Special Provision for Aggregate Column Ground Improvement.
- 2. For limits of Aggregate Column Ground Improvement, see Sheet NWI.
- 3. The Top of Exposed Panel Elevations shown on the Elevation View are final elevations allowing for total settlement of 4 inches and settlement after completing wall or pavement construction of 1 inch. The MSE Wall vendor shall provide additional panel heights to allow for the settlement of the leveling pad during installation. The cost of any adjustment to precast face panels that are needed to compensate for settlement shall be included with Aggregate Column Ground Improvement.
- 4. Vibrator compacted aggregate columns shall be constructed by the bottom feed method. Top feed will only be allowed if the columns are pre-bored the entire length and the Engineer determines that the open columns do not collapse during backfilling and vibration.

TYPICAL SECTION Sta. 3349+70.04 to Sta. 3355+63.01

0.70 x "H" Min. ≥ 8'-0"

See supplier shop plans for lengths

Limits of Struct. Excavation

(Looking Downstation)

-Limits of Removal and Disposal of

Unsuitable Material.

Backfill with Embankment.

* For Limits of Removal of Unsuitable Material see Sheet NW1. Over excavation beyond structure excavation and removal of unsuitable material will not be measured for payment. Ground Improvement Performance Requirements:

Top of leveling pad-

1. Post-construction settlement of MSE wall shall not exceed 1.0 inch.

2'-0"

- 2. Minimum factor of safety for global stability shall be 1.5.
- 3. Minimum factor of safety for Nominal Equivalent Uniform Bearing Pressure shall be 2.5.

Sta.3349+70.04 to Sta. 3350+87.62

Sta. 3350+87.62 to Sta. 3354+47.33

Sta. 3354+47.33 to Sta. 3355+63.01

·Barrier Rail

Top of exposed

- Front Face of

Face panels

-Finished Grade

Precast

panel line

4. Total settlement shall not exceed 4.0 inches.

** Edge Distance "X" is the same as the Removal Depth "d"

- P.G.L. (WB)

12'-0"

Lane

-10" PCC Pavement

·12" Aggregate subgrade

1.5%

Sheet NW3 of 9 REVISIONS NAME F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. TYPICAL SECTIONS DATE STRUCTURE NUMBER 022-W027 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3349+70.04 TO 3356+08.49 SCALE: None DRAWN BY: MRK DATE: MAY 13, 2011 CHECKED BY: MJP

AECOM