

I-290 WB (UNDER NW RAMP ONLY)

STRUCTURAL DESIGN TRAFFIC: YEAR 2040  
 PV= 29,607 SU= 302 MU= 302  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P= 50% S= 50% M= 50%  
 TRAFFIC FACTOR: ACTUAL TF= 2.58 AC TYPE= \_\_\_\_\_  
 MINIMUM TF= 11.17  
 PG GRADE: BINDER= \_\_\_\_\_ SURFACE= \_\_\_\_\_  
 SUBGRADE SUPPORT RATING  
 SSR= POOR

RAMP NW

STRUCTURAL DESIGN TRAFFIC: YEAR 2040  
 PV= 35,008 SU= 1,318 MU= 1,318  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P= 100% S= 100% M= 100%  
 TRAFFIC FACTOR: ACTUAL TF= \_\_\_\_\_ AC TYPE= \_\_\_\_\_  
 MINIMUM TF= 10.05  
 PG GRADE: BINDER= \_\_\_\_\_ SURFACE= \_\_\_\_\_  
 SUBGRADE SUPPORT RATING  
 SSR= POOR

ROOSEVELT ENTRANCE RAMP

STRUCTURAL DESIGN TRAFFIC: YEAR 2040  
 PV= 4,958 SU= 93 MU= 93  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P= 100% S= 100% M= 100%  
 TRAFFIC FACTOR: ACTUAL TF= 1.57 AC TYPE= \_\_\_\_\_  
 MINIMUM TF= 11.17  
 PG GRADE: BINDER= \_\_\_\_\_ SURFACE= \_\_\_\_\_  
 SUBGRADE SUPPORT RATING  
 SSR= POOR

**AGGREGATE SUBGRADE IMPROVEMENT AND  
 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION**

AGGREGATE SUBGRADE IMPROVEMENT (ASI), HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION IS TO BE PLACED BELOW THE ASI. THOUGH THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH EITHER A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

FILE PATH = C:\Users\alizzadeh\N\Desktop\Fprints\Final\_Sheets\0160W28-shr-Typical-11.dgn



D:\160W28-shr-Typical-11.dgn	DESIGNED - OPS	REVISED -
USER NAME = alizzadeh	DRAWN - NSA	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KCF	REVISED -
PLOT DATE = 4/27/2014	DATE - 04/28/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET 11 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	32
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	