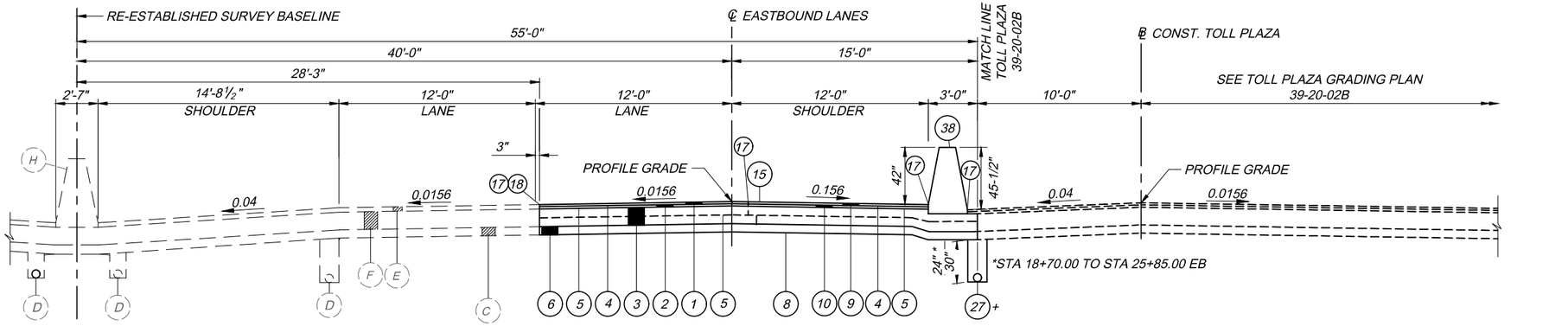
National Transportation Safety Board
Office of Highway Safety
Washington, DC 20594

HWY24MH013

HIGHWAY FACTORS ATTACHMENT

Typical Sections for I-80/90

(3 Pages)

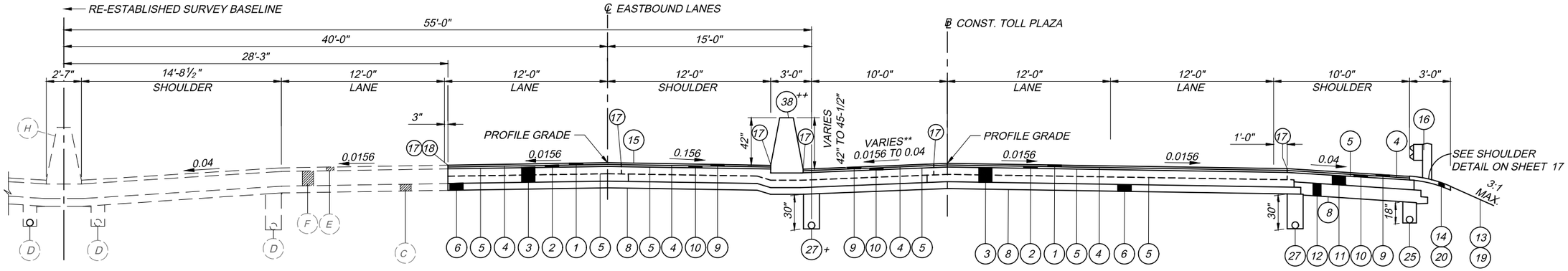


+DEFLECT UNDERDRAIN AROUND LIGHT POLE FOUNDATIONS AS NECESSARY

NORMAL SECTION AT TOLL PLAZA

EASTBOUND SHOWN. WESTBOUND SYMMETRICAL ABOUT RE-ESTABLISHED SURVEY BASELINE

WESTBOUND		EASTBOUND	
STA 18+70.00 TO STA 33+70.00 =	1500.00 L.F.	STA 18+70.00 TO STA 33+70.00 =	1500.00 L.F.



+DEFLECT UNDERDRAIN AROUND LIGHT POLE FOUNDATIONS AS NECESSARY

NORMAL SECTION AT TOLL PLAZA

EASTBOUND SHOWN. WESTBOUND SYMMETRICAL ABOUT RE-ESTABLISHED SURVEY BASELINE

WESTBOUND		EASTBOUND	
STA 33+70.00 TO STA 36+29.75 =	259.75 L.F.	STA 16+10.25 TO STA 18+70.00 =	259.75 L.F.
WESTBOUND		EASTBOUND	
TOLL PLAZA STA 133+70.00 TO STA 136+29.75 =	259.75 L.F.	TOLL PLAZA STA 116+10.25 TO STA 118+70.00 =	259.75 L.F.

++ BARRIER STA 16+50.00 TO STA 18+70.00 EASTBOUND
BARRIER STA 33+70.00 TO STA 36+29.25 WESTBOUND

** FOR GRADING AND CROSS SLOPES, SEE SHEETS 333 AND 346 .

FOR ADDITIONAL NOTES, EXISTING AND PROPOSED LEGEND, SEE SHEET 10.

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
	RECORD DRAWING	JDC	3/1/2023

DESIGNED J.M.P. | DRAWN P.S.L. | CHECKED W.D.B. | IN CHARGE W.D.B.

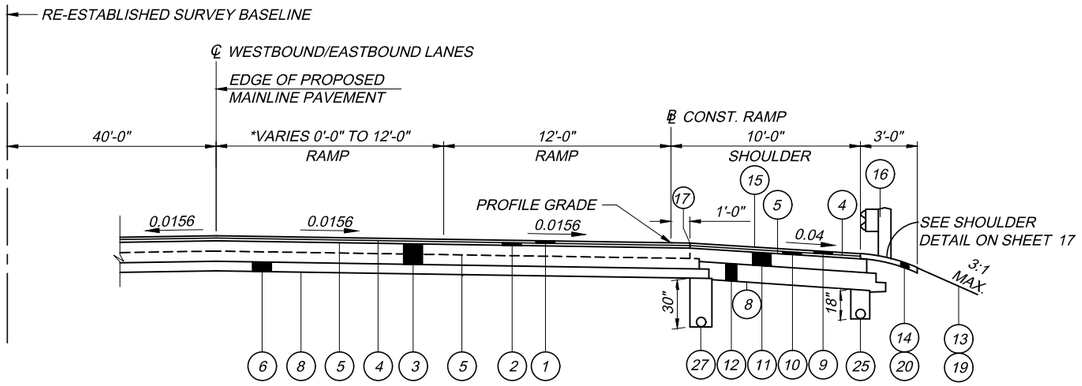
OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

TYPICAL SECTIONS
CONSTRUCTION PROJECT 39-20-02

PROJECT 39-20-02A
DATE: 12/3/19

H:\2018\180192\DWG\SHEETS-S MILES\39-20-02A AS-BUILTS\DRAWING FILES - BOUND\392002A-013.DWG - 013 - 1/9/2023 12:27:27 PM - JIM COBB

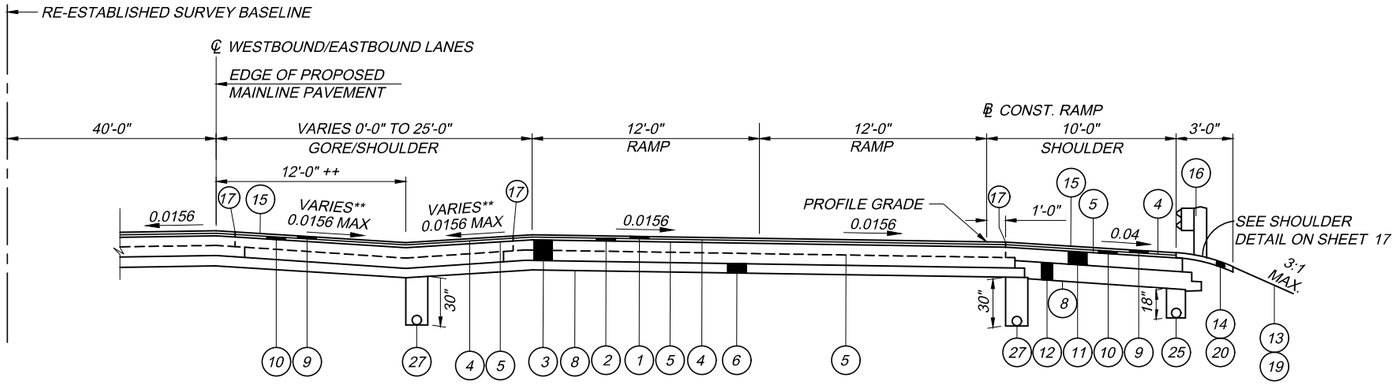
NOTES:
* SLOPE VARIES. SEE RAMP DETAILS FOR SLOPES. (7% MAXIMUM ROLLOVER FOR SHOULDERS)



TOLL PLAZA EXIT RAMP SECTION

EASTBOUND SHOWN. WESTBOUND SYMMETRICAL ABOUT RE-ESTABLISHED SURVEY BASELINE

RAMP B - STA 45+31.51TO STA 51+30.00 = 598.49 L.F.
RAMP D - STA 1+00.00 TO STA 6+98.49 = 598.49 L.F.



TOLL PLAZA EXIT RAMP SECTION

EASTBOUND SHOWN. WESTBOUND SYMMETRICAL ABOUT RE-ESTABLISHED SURVEY BASELINE

RAMP B - STA 36+29.15 TO STA 45+31.51 = 902.36 L.F.
RAMP D - STA 6+98.49 TO STA 16+00.85 = 902.36 L.F.

++ RAMP B - STA 36+29.15 TO STA 37+50.00
RAMP D - STA 14+75.00 TO STA 16+00.85

**FOR GRADING AND CROSS SLOPES, SEE SHEETS 333, 345 AND 346 .

FOR ADDITIONAL NOTES, EXISTING AND PROPOSED LEGEND, SEE SHEET 10.

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
	RECORD DRAWING	JDC	3/1/2023

DESIGNED J.M.P. | DRAWN P.S.L. | CHECKED W.D.B. | IN CHARGE W.D.B.

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

TYPICAL SECTIONS
CONSTRUCTION PROJECT 39-20-02

PROJECT 39-20-02A
DATE: 12/3/19

6 / 9

15
505

OHIO TURNPIKE

H:\2018\180192\DWG\SHEETS-5 MILES\39-20-02A AS-BUILTS\DRAWING FILES - BOUND\392002A-015.DWG - 015 - 1/9/2023 12:54:47 PM - JIM COBB