

064

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE. 55&94	SECTION 2019-017-1	COUNTY COOK & DUPAGE	TOTAL SHEETS 7	SHEET NO. 1
ILLINOIS			CONTRACT NO. 62H94	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

1) F.A.I. ROUTE 55 (I-55 - STEVENSON EXPY)
I-355 TO I-90 /94

2) F.A.I. ROUTE 94: (I-94 - EDEN EXPY)
US 14 (DEMPSTER ST.) TO IL 68 (DUNDEE RD.)

SECTION: 2019-017-1

BUS ON SHOULDER CLEANING (SWEEPING)

PROJECT: CMAQ-UISY(796)

COOK & DUPAGE COUNTIES

C-91-342-19

TRAFFIC DATA:

I-55
2016 ADT: 178,000
I-94
2016 ADT: 165,200



FOR LOCATION MAPS
SEE SHEETS 5-6

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H94

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED FEBRUARY 8 2019
Anthony J. Quinley
REGIONAL ENGINEER

MARCH 22 2019
Paul J. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

MARCH 22 2019
Paul J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1. TITLE SHEET
2. INDEX OF SHEETS
APPLICABLE STATE STANDARDS
3. SUMMARY OF QUANTITIES
SCHEDULE OF CLEANING STARTING DATES
4. EXPRESSWAY TYPICAL SECTIONS
- 5-6. EXPRESSWAY CLEANING
7. TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES
AND PARTIAL RAMP CLOSURES (TC-17)

STATE STANDARDS

- | | |
|-----------|---|
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FORM PAVEMENT EDGE |
| 701426-09 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥45 MPH |
| 701901-08 | TRAFFIC CONTROL DEVICES |

GENERAL NOTES

FOR ALL MOVING OPERATIONS ON EITHER THE SHOULDER OR WHEN A LANE IS CLOSED, VEHICLES SHALL BE EQUIPED WITH TRUCK/TRAILER MOUNTED ATTENUATOR AND ARROW BOARD AS SHOWN IN DETAIL C OF HIGHWAY STANDARD 701426. WHILE OPERATIONS ARE ENTIRELY ON THE SHOULDER, ARROW BOARDS SHALL BE IN WARNING MODE (NO ARROW SHOWING).

TRUCK MOUNTED ATTENUATORS ARE REQUIRED ON ALL CLEANING OPERATIONS.

WHEN WITHIN THE INNER CITY THE TWO FOLLOW VEHICLES SHALL HAVE A TRUCK MOUNTED ATTENUATOR.

WHEN THE SHOULDER DOES NOT EXIST, OR IS NARROW, FOLLOWING VEHICLES SHOWN ON THE SHOULDER SHALL RIDE AS CLOSE TO THE EDGE OF THE TRAVELLED WAY AS PRACTICAL AND THE SPACING TO THE NEXT VEHICLE REDUCED TO APPROXIMATELY 150m (500 FT).

WATER TRUCKS USED TO CONTROL DUST PROPAGATION ARE ALLOWED TO OPERATE BY THEMSELVES. THEY SHALL AVOID SUDDEN STOPS.

ALL VEHICLES SHALL HAVE HEADLIGHTS AND EMERGENCY FLASHERS OPERATING AND SHALL DISPLAY AN AMBER COLORED OSCILLATING, ROTATING OR FLASHING LIGHT(S). AT LEAST ONE AMBER LIGHT IS TO BE VISIBLE FROM ANY DIRECTION.

ALL SWEEPERS, WATER TRUCKS AND FOLLOW VEHICLES SHALL HAVE ARROW BOARDS, AND APPROPRIATE SIGNS.

LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS. THE LATERAL PLACEMENT OF THE FLAGGER MAY BE VARIED FROM THAT SHOWN ON THE STANDARD.

REV. - MS

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Sweeping\Drawings\trucks\CADData\Design\SweepingCon\REVISED.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			55&94	2019-017-1	COOK & DUPAGE	7	2	
PLOT DATE = 2/8/2019	DATE -	REVISED -	SCALE:			SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
									CONTRACT NO. 62H94		

SUMMARY OF QUANTITIES

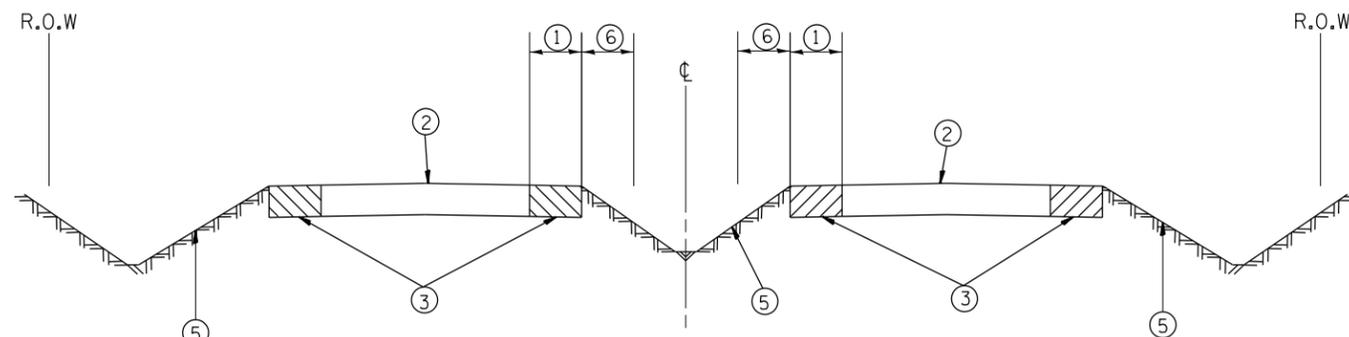
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 0044		
				100% STATE		80% FED 20% STATE CMAQ
				0044 URBAN	I-55 DUPAGE COUNTY	I-55 COOK COUNTY
X3700002	FULL BUS ON SHOULDER CLEANING CYCLE	EACH	156	52	52	52

NOTES:

- SCHEDULE MAY VARY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR MAY NOT START CLEANING CYCLES BEFORE THE DATES SCHEDULED IN THE PLANS WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- NO WORK WILL BE ALLOWED DURING ANY LEGAL HOLIDAY PERIOD.
- ALL SCHEDULES OF ANTICIPATED STARTING DATES SHOWN ARE TENTATIVE AS DETERMINE BY THE DEPARTMENT'S OPERATIONAL NEEDS.
- AT NO TIME WILL SWEEPING OR RELATED WORK BE PERFORMED BY THE CONTRACTOR WHEN ANY EXISTING SNOW AND/OR ICE IS VISIBLE ON ANY HIGHWAY AREAS TO BE CLEANED. NO DAILY CONTRACTOR WORK SCHEDULE REQUESTS WILL BE APPROVED.
- BECAUSE SWEEPING OPERATIONS NEED WATER TO WORK EFFECTIVELY, SWEEPING WILL NOT BE ALLOWED WHEN TEMPERATURES OR WIND CHILL FACTORS ARE FORECASTED BY THE DEPARTMENTS CERTIFIED CONSULTING METEOROLOGISTS TO BE AND OR DROP BELOW FREEZING. TEMPERATURES MUST BE ABOVE THIRTY TWO (32) DEGREES FARENHEIT. ALL SHOULDER AND CURB LINES MUST BE FREE OF ANY EXISTING SNOW OR ICE. DRY SWEEPING SHALL BE ALLOWED ONLY IF IT IS CONSIDERED AN EMERGENCY, IMMEDIATE HAZARD, OR ANY WORK AS DESIGNATED BY THE DEPARTMENT THAT REQUIRES FIRST PRIORITY CORRECTIVE ACTION.
- SHOULDER CLEANING CYCLES SHALL START EVERY TWO WEEK FROM START OF CONTRACT OR AS DIRECTED BY THE ENGINEER.

REV. - MS

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES AND SCHEDULE OF STARTING DATES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Sweeping\Drawings\CADData\Design\SweepingCon	DESIGNED -	REVISED -	55&94			2019-017-1	COOK & DUPAGE	7	3	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 62H94							
PLOT DATE = 2/8/2019	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.			



TYPICAL EXPRESSWAY CROSS-SECTION NO. 1

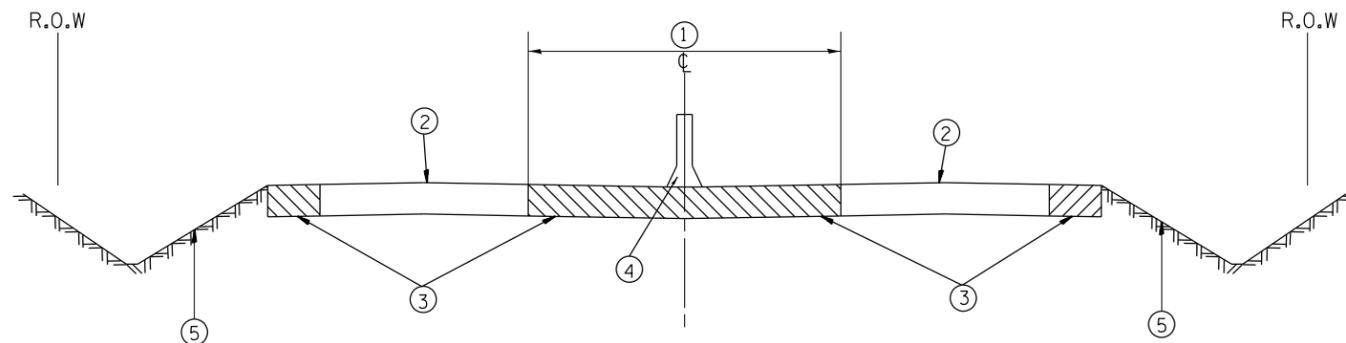
- LEGEND**
- ① AREA OF EXPRESSWAY SHOULDER CLEANING AND RUBBISH REMOVAL
 - ② TRAVELED ROADWAY
 - ③ STABILIZED SHOULDER OR MEDIAN
 - ④ CONCRETE BARRIER
 - ⑤ NON STABILIZED SURFACE
 - ⑥ LITTER PICKING

NOTE:

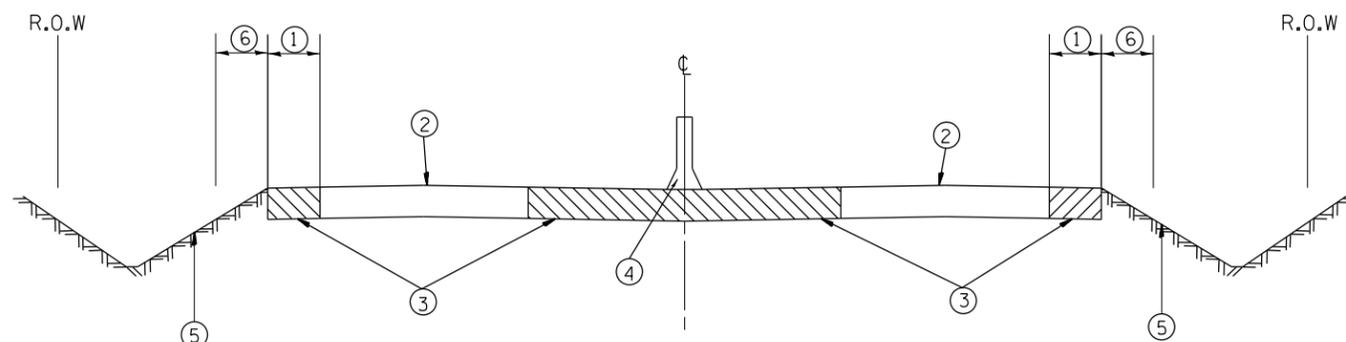
A) ALL LOCATIONS ON LEFT/ RIGHT SHOULDERS SHALL BE CLEANED BY HAND LABORING 10 FEET BEHIND STABILIZED, NON STABILIZED AREAS AND UNDER ALL GUARDRAILS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR ALL FULL CLEANING CYCLES.

B) SLOPE WALLS UNDER BRIDGES ARE NOT INCLUDED IN AREA TO BE CLEANED.

C) DEBRIS INCLUDING BUT NOT LIMITED TO; SAND, ROCKS, GRAVELS, CONCRETE, WOOD, LIMBS, LEAVES, GARBAGE AND ANMAL CARCASSES SHALL BE REMOVED FROM ALL STABILIZED AREAS UNDER AND 10 FEET BEHIND AND ALL AGGREGATE/STONE SHOULDERS REGARDLESS OF WIDTH.



TYPICAL EXPRESSWAY CROSS-SECTION NO. 2

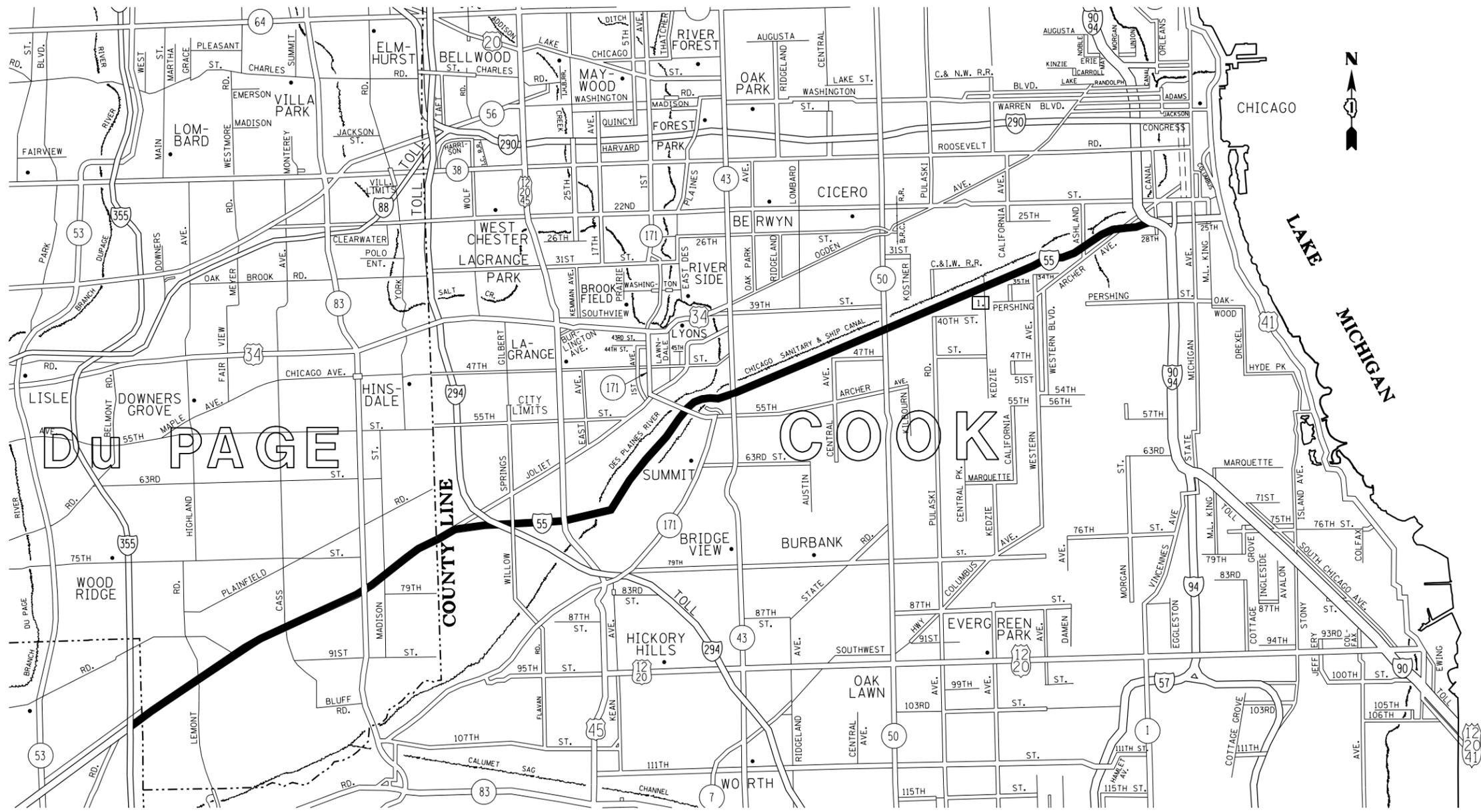


TYPICAL EXPRESSWAY CROSS-SECTION NO. 3

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL I-55 EXPRESSWAY CROSS-SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Sweeping\Drawings\CADData\Design\Sweeping\084EBIDINTEG.dgn	DRAWN	CHECKED -	REVISED -					55&94	2017-015-1	COOK & DUPAGE	7	4
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 62F21			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/8/2019					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	

DAY CLEANING ONLY

Stevenson Expressway (Left Hand Shoulder)
 Interstate 55 (Stevenson Expressway) from I-90/94
 to I-355 and at other possible District-wide locations
 as needed determined by the Department.



- DISTRICT NO. 1
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION (EXCEPT TOLLWAYS)
 - STATE HIGHWAYS & EXPRESSWAYS TO BE CLEANED
 - - - FUTURE HIGHWAYS
 - VARIOUS AGENCIES HIGHWAYS

LENGTH OF I-55 (DUPAGE) CLEANING CYCLE = 7 MILES

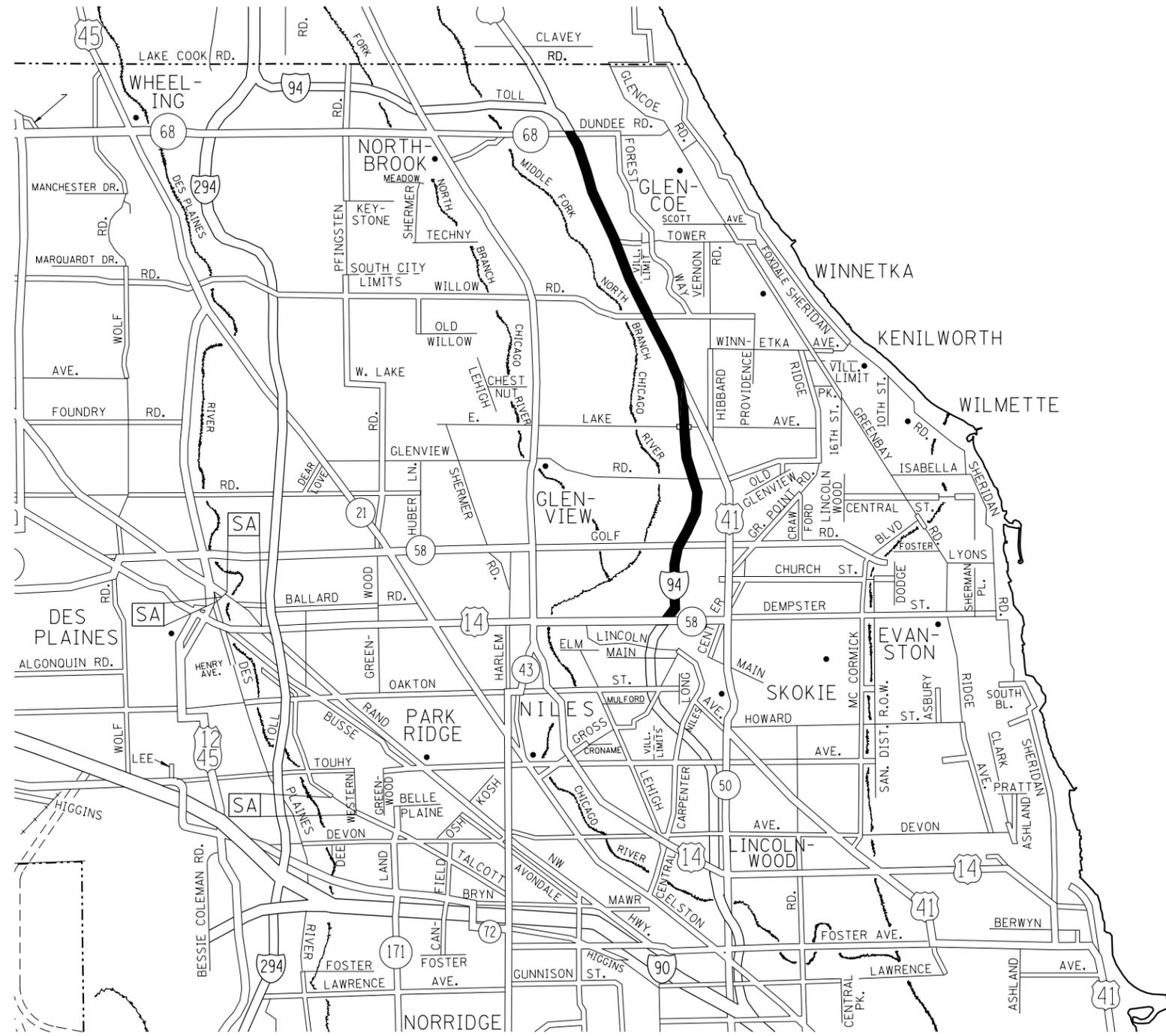
LENGTH OF I-55 (COOK) CLEANING CYCLE = 16 MILES

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-55 EXPRESSWAY CLEANING LOCATION MAP			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\Sweeping\Projects\CADData\Design\Sweeping\REVISED.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					55&94	2019-017-1	COOK & DUPAGE	7	5	
	PLOT DATE = 2/8/2019	DATE -	REVISED -					SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 62H94		
								ILLINOIS FED. AID PROJECT					

DAY CLEANING ONLY

Edens Expressway (Right Hand Shoulder)

Interstate 94 (Edens Expressway), US 41 from IL 68 (Dundee Rd) to US 14 (Dempster St) and at other possible District-wide locations as needed determined by the Department.

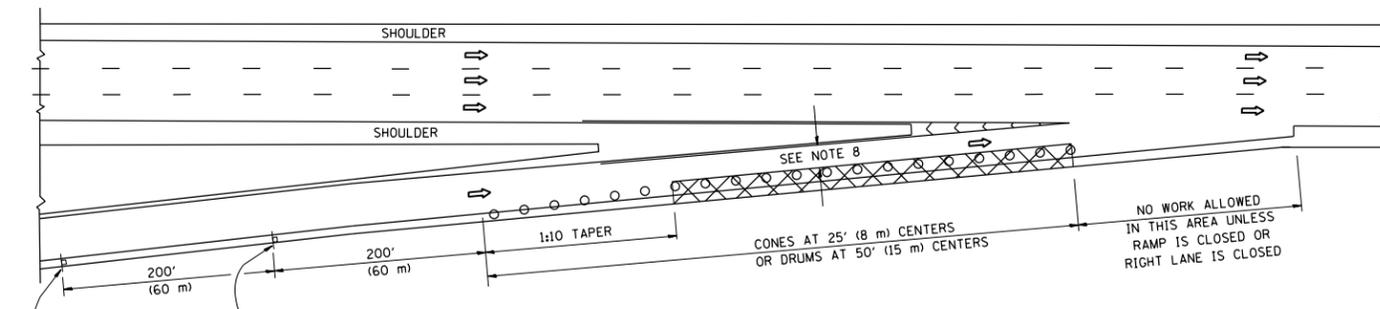


- DISTRICT NO. 1
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION (EXCEPT TOLLWAYS)
 - STATE HIGHWAYS & EXPRESSWAYS TO BE CLEANED
 - - - FUTURE HIGHWAYS
 - VARIOUS AGENCIES HIGHWAYS

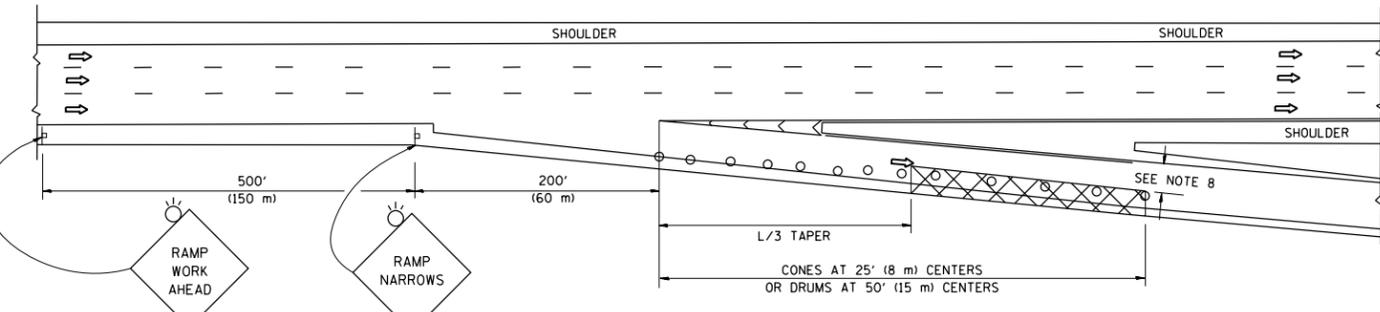
LENGTH OF I-94, US 41 (COOK) CLEANING CYCLE = 7.3 MILES

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-94, US 41 EXPRESSWAY CLEANING LOCATION MAP			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\Sweeping\contracts\CADDData\Design\Sweeping\084EBIDINTEG.dgn	DRAWN	CHECKED -	REVISED -					55&94	2019-017-1	COOK & DUPAGE	7	6
PLOT SCALE = 100.0000' / 1" =	DATE -	REVISOR -	REVISOR -					CONTRACT NO. 62H94				
PLOT DATE = 3/8/2019	DATE -	REVISOR -	REVISOR -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

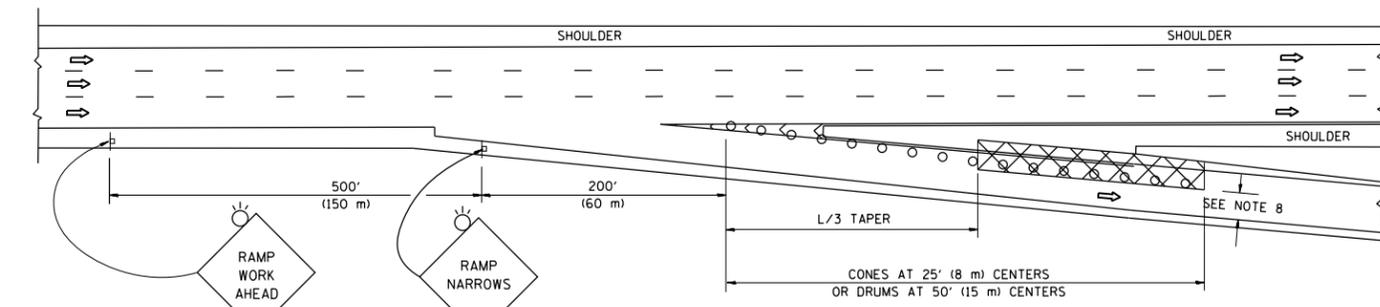
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

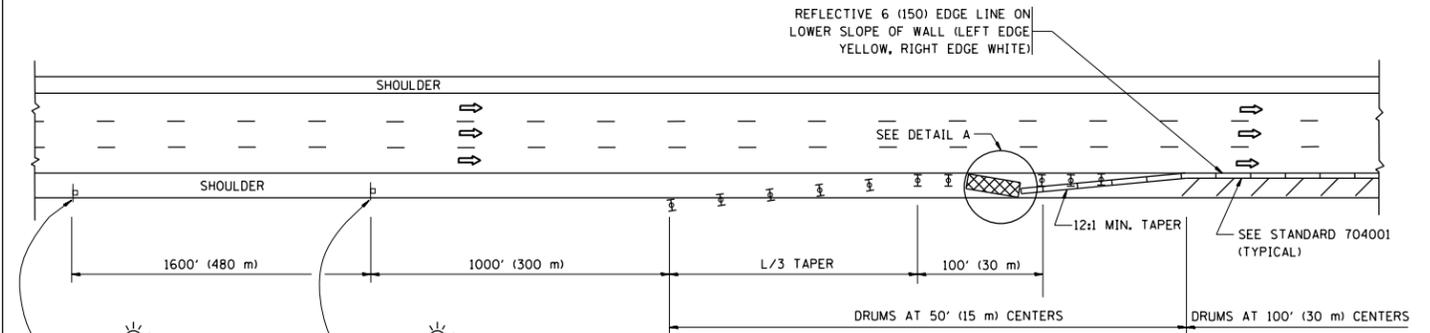
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

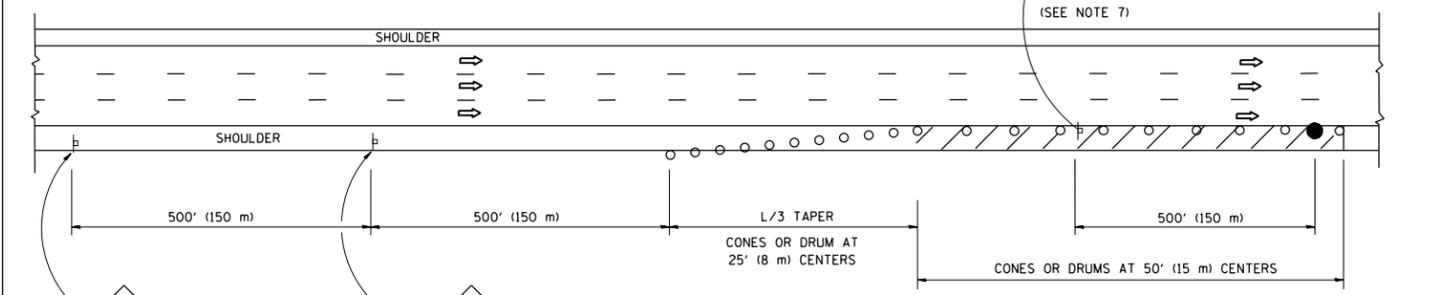
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

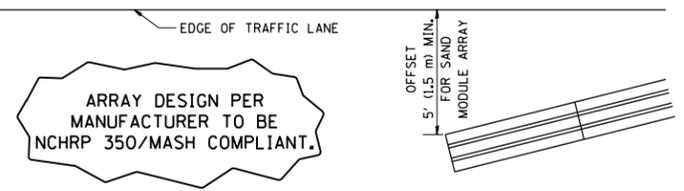


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRANCHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/8/2019	DATE -	REVISED -	M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. R.T.E. 55&94	SECTION 2019-017-1	COUNTY COOK & DUPAGE	TOTAL SHEETS 7	SHEET NO. 7
TC-17		CONTRACT NO. 62H94		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				