

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (I&2) I-11	WILL	176	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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**HIGHWAY STANDARDS**

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
542101-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375MM) THRU 36" (900MM) DIA. AT RIGHT ANGLES WITH ROADWAY
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
6026H	<del>CATCH BASIN TYPE C</del>
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-08	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-07	TRAFFIC BARRIER TERMINAL, TYPE 6
664001-02	CHAIN LINK FENCE
665001-02	WOVEN WIRE FENCE
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS (SIGNS, MARKERS AND DELINEATORS)
729001-01	APPLICATION OF TYPE A AND B METAL POSTS

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND MUNICIPALITIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- WHERE EXISTING CURB AND GUTTER IS REMOVED, BARRICADES SHALL BE PLACED AT EACH END OF THE REMOVAL UNTIL PROPOSED CURB AND GUTTER IS CONSTRUCTED IN ITS PLACE.
- AT LOCATIONS WHERE THE EXISTING ACCESS CONTROL FENCE IS TO BE REMOVED IN ORDER TO ALLOW CONSTRUCTION OF THE PROPOSED NOISE WALL, TEMPORARY FENCE (SPECIAL) SHALL BE CONSTRUCTED PRIOR TO THE REMOVAL THE EXISTING ACCESS CONTROL FENCE IN ORDER TO PROVIDE ACCESS CONTROL AT ALL TIMES. THE TEMPORARY FENCE (SPECIAL) SHALL REMAIN IN PLACE UNTIL THE PROPOSED NOISE WALL IS COMPLETED AND CONNECTED TO THE EXISTING ACCESS CONTROL FENCE.
- WHEN REQUIRED TO PERMIT THE CONSTRUCTION OF PROPOSED WORK ITEMS SUCH AS CULVERTS, THE CONTRACTOR MAY TEMPORARILY REMOVE AND RESTORE PORTIONS OF THE EXISTING ACCESS CONTROL FENCE AND/OR TEMPORARY FENCE. WORKERS SHALL BE PRESENT AT ALL TIMES THAT A PORTION OF THE FENCE IS REMOVED, AND THE FENCE SHALL BE RESTORED PRIOR TO THE END OF THE WORK SHIFT. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE PAY ITEMS INVOLVED.
- 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL ACCESS THE WORK AREA FROM THE FRONTAGE ROADS. ACCESS TO THE WORK AREA FROM I-55 WILL NOT BE ALLOWED.
- FOR LANE CLOSURES ADJACENT TO LEFT TURN LANES, THE LEFT TURN LANES SHALL ALSO BE CLOSED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- WHEREVER THE PHRASE "NOISE WALL(S)" IS USED ON THE PLANS, IT SHALL BE CONSTRUED THE SAME AS "NOISE ABATEMENT WALL(S)."
- CONTACT STEVE LIPKIE OF THE IDOT ROADSIDE DEVELOPMENT UNIT 72 HOURS PRIOR TO TREE PLANTING AND SELECTIVE CLEARING AT 847-705-4173.
- PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE SHALL TAKE PLACE PRIOR TO NOISE WALL INSTALLATION.

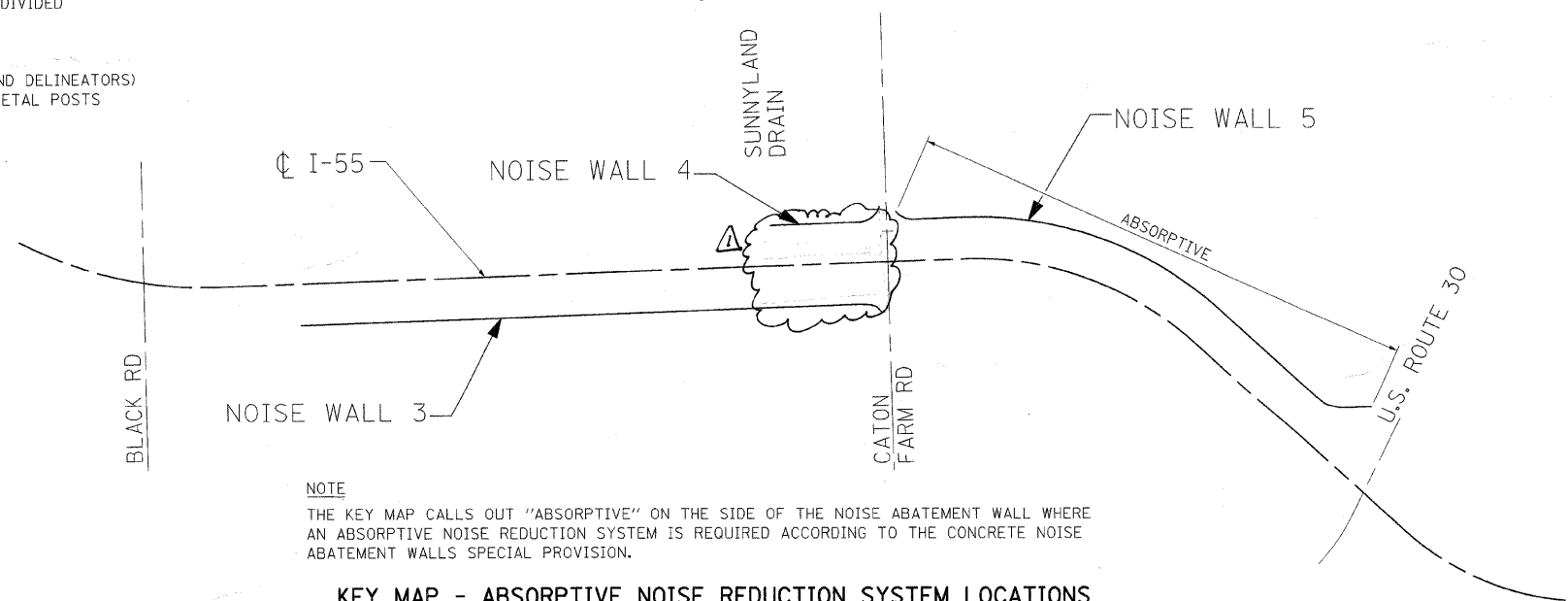
**SUGGESTED SEQUENCE OF CONSTRUCTION**

- PRIOR TO EARTHWORK OPERATIONS OR THE DISTURBANCE OF ANY EXISTING VEGETATION, INSTALL SEDIMENT CONTROL, SILT FENCE, TEMPORARY DITCH CHECKS AND OTHER EROSION CONTROL DEVICES.
- CONSTRUCT TEMPORARY FENCE (SPECIAL).
- COMPLETE FENCE REMOVAL, TREE REMOVAL, CLEARING AND TOPSOIL REMOVAL.
- COMPLETE EMBANKMENT AND INSTALLATION OF DRAINAGE STRUCTURES, PIPE CULVERTS AND ASSOCIATED END SECTIONS. COMPLETE TEMPORARY EROSION CONTROL SEEDING AS REQUIRED.
- COMPLETE INSTALLATION OF NOISE ABATEMENT WALLS. THE CONTRACTOR MAY CONSIDER COMPLETING FINAL GRADING AND PLACEMENT OF TOPSOIL AND COMPOST AFTER INSTALLING THE BOTTOM PANELS FOR A LENGTH OF WALL PRIOR TO PLACING MIDDLE OR TOP PANELS.
- PLACE TOPSOIL AND COMPOST AND COMPLETE LANDSCAPING.
- COMPLETE RE-ERECTION OF ACCESS CONTROL FENCE AS NECESSARY AT THE ENDS OF THE NOISE ABATEMENT WALLS.
- REMOVE TEMPORARY FENCE.
- REMOVE EROSION CONTROL DEVICES AT THE DIRECTION OF THE ENGINEER.

**HOT-MIX ASPHALT MIXTURE DESIGN REQUIREMENTS**

MIXTURE TYPE	AC TYPE	AIR VOIDS
<b>SHOULDERS</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; 1 1/2" (IL 9.5 mm)	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/4"	PG 64-22 *	4% @ 50 GYR.
<b>PATCHING</b>		
CLASS D PATCH (HMA BINDER IL-19 mm); 9"	PG 64-22 *	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD<sup>3</sup>.  
 \* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



**NOTE**  
 THE KEY MAP CALLS OUT "ABSORPTIVE" ON THE SIDE OF THE NOISE ABATEMENT WALL WHERE AN ABSORPTIVE NOISE REDUCTION SYSTEM IS REQUIRED ACCORDING TO THE CONCRETE NOISE ABATEMENT WALLS SPECIAL PROVISION.

**KEY MAP - ABSORPTIVE NOISE REDUCTION SYSTEM LOCATIONS**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAI ROUTE 55 (BLACK ROAD TO U.S. ROUTE 30)  
 NOISE ABATEMENT WALLS

**INDEX OF SHEETS,  
 HIGHWAY STANDARDS,  
 AND GENERAL NOTES**

SCALE: N.T.S. DRAWN BY AG  
 DATE 06/11/09 CHECKED BY DDH

**TENG**

TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 CHICAGO, ILLINOIS

PLOT DATE = #DATE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#  
 6-11-2009 11:34:00 HANSEN.DWG 6-11-2009 11:34:00 HANSEN.DWG 6-11-2009 11:34:00 HANSEN.DWG 6-11-2009 11:34:00 HANSEN.DWG

Rev. 7-21-09

Rev.