KEY NOTE	TYPE	RATING	DESCRIPTION
1		3	THE APPROACHES TO THE GRANDSTAND DO NOT PROVIDE ADA ACCESSIBILITY NOR DOES THE GRANDSTAND ACCOMMODATE ADA SEATING AREA OR ADA ACCESS TO THE CONCESSIONS/RESTROMM CONCOURSE NIC
2	ST	2	THE VAST MAJORITY OF THE RAILING IN THE GRANDSTAND ARE PLAIN PAINTED STEEL WITH CORED/GROUTED EMBEDMENT INTO CONCRETE. THE RAILS GENERALLY HAVE SIGNIFICANT CORROSION AT THE INTERFACE POINT BETWEEN THE PIPE AND THE CONCRETE. Repair loose or damaged handrails
3	ST	1	THE BRICK WALL SEPERATING THE GRANDSATND FROM THE TRACK HAS SIGNIFICANT DETERIORATION WITHIN THE WALL AND IN THE CAP. LARGE AREAS ARE LOOSE AND IN SOME CASES SECTIONS ARE MISSING. NIC
4	LS/TF	3	THE VOMITORIES CONNECTING THE UPPER CROSS ISLES TO THE CONCESSIONS CONCOURSE UNDER THE GRANDSTAND ARE VERY STEEP AND RAILING CONFIGURATION IS PROBLEMATIC. NIC
5	ST	4	A LARGE SECTION OF THE SLAB ON GRADE PORTION OF THE GRANDSTAND HAS SETTLED AND HAS SIGNICANT CRACKS. THESE CRACKS ALLOW WATER TO ENTER THE SUBGRADE AND FUTHER COMPROMISE THE SUPPORT OF THE SLA Remove and replace slab
6	LSST	5	SETTLEMENT IN THIS LOCATION IS APPROXIMATELY 4" Remove & replace slab
7	LS/TF	3	THE STORM GRATE IS NOT FLUSH AND THE GRATE IS NOT ACCESSIBLE Raise grate Repair concrete
8	LS/TF	4	LATERAL CROSS ISLE PARALLEL TO FRONT WALL HAS A LINEAR CHANGE IN ELEVATION THAT CREATES A 24" ISLE N.I.C.
9	TF/ST	2	THE SLAB ON GRADE EXPANSION JOINT IS OPEN AND OLD FILLER MATERIAL HAS FAILED Repair expansion joint
10	ST	3	A LOCALIZED CONCRETE BLOW OUT AT 2nd ROW SEAT BRACKET NEEDS REPAIR Repair
11	LS/TF	3	THE STORM GRATE HAS UNEVEN SURFACES AND THE GRATE IS NOT ACCESSIBLE Repair concrete
12	LS	4	THE ALUMINUM BENCH SEAT IS BENT Repair
13	LS/TF	3	THE VERTICAL VOMITORY IS 16" WIDE WITHOUT INTERMEDIATE RISERS Install intermediate risers
14	TF/ST	3	A SECTION OF DELAMINATED CONCRETE NEEDS REPAIR Repair
15	LS	5	THE GUARDRAIL HAS MISSING INTERMEDIATE RAIL Add intermediate rail
16	LS	5	THE GUARDRAIL IS MORE THAN 30" AFG WITH OPEN CONDITIONS GREATER THAN A 4" SPHERE Add 1/4 vinyl coated cable
17	LS/TF/ST	3	LARGE SECTION OF SLAB ON GRADE HAS SETTLED Repair damage concrete grind to remove tripping hazard
18	LS/TF	3	RISERS HAVE HEIGHT VARIATION GREATER THAN 3/8" IN SINGLE FLIGHT (8" TO 4")
19	ST	1	THE RETAINING WALL HAS SEVERAL VARIABLE CRACKS IN ITS LENGTH (NO CONTROL/EXPANSION JOINT WAS PROVIDE caulk cracks
20	ST	3	DELAMINATED CONCRETE WALL AND BEAM DUE TO WATER INTRUSION FROM JOINT IN CONCRETE Repair
21	LS/TF/ST	5	SUNKEN PAVEMENT WITH A VOID UNDER PAVEMENT DUE TO STORM WATER, DAMAGED CONCRETE CORNER AND RAIL
22	LS	5	OPEN SECTION OF GUARDRAIL WITHOUT FALL PROTECTION install 5/8 vinyl coated cable
23	LS/ST	3	CHAINLINK FENCING INSTALLED WITH SHARP TERMINATIONS UP, SEVERAL BROKEN BAULASTERS AND NO BOTTOM RAIL SUPPORTING CHAINLINK FENCING AT CONCRETE BASE WALL Install yellow fence caps (Typical at Fence)
24	LS/ST	4	DETERIORATED CONCRETE AND CONCRETE DELAMINATION CAUSING LOOSE GUARDRAIL Repair
25	LS/ST	3	DETERIORATED CONCRETE AT END OF CONCRETE WALL WITH LOOSE GUARDRAIL BAULASTER Repair
26	ST	4	MOISTURE INTRUSION INTO CONCRETE CAUSING EFFLORECENCE, CRACKING, REBAR CORROSION AND CRACKIN Repair
27	LS/ST	3	DELAMINATED CONCRETE WALL STEM AND GUARDRAIL SUPPORT Repair Repair concrete add handrail
28	LS	1	RISERS ARE 8.5" HIGH Repair damage risers
29	TF/ST	2	EXPANSION JOINT MATERIAL HAS FAILED AND CREATED FALL HAZARD Remove fall Hazard
30	LS/ST	3	PONDING WATER IN STADIA SATURATING CONCRETE STADIA N.I.C.
31	LS/ST	5	SLAB ON GRADE HAS SETTLED AWAY FROM THE EGRESS STAIR AND CREATED AN 11" RISER Repair
32	LS/TF/ST	5	SLAB ON GRADE SETTLEMENT CREATING TRIP HAZARD AT SLAB INTERFACE AND STAIR RISER Grind to eliminate trip
33	LS	5	GAP IN GUARDRAIL Repair
34	LS/ST	4	SLAB ON GRADE SETTLEMENT HAS CREATED SEVERE CROSS SLOPE TOWARD TRACK NIC
35	ST	3	DELAMINATED CONCRETE DUE TO MOISTURE INTRUSION Remove loose concrete & repair
36	LS/TF	4	VARIABLE RISER HEIGHTS IN STAIR (8" TO 4") Install intermediate riser
37	LS	5	40" TALL OPEN GUARDRAIL Extend guard rail to code height (typical @ landings)
38	LS/ST	4	LOOSE ANCHORAGE IN CONCRETE FOR GUARDRAIL BAULASTER Repair
39	LS	3	30" TALL GUARDRAIL Extend guard rail to code height (typical @ Landings)
40	LS	3	30" TALL CONCRETE STEM WALL (GUARDRAIL) Install code compliant guard rail on stem
41	LS/TF	3	VOMITORY TO CONCESSION/RESTROOM CONCOURSE SLOPED AT +/-28% (5% MAXIMUM ALLOWED) N.I.C.
42	LS/TF	4	LANDING SETTLEMENT CREATED A GAP Caulk to close gap
43	TF/ST	3	DIFFERENTIAL SETTLEMENT AT JOINT CREATES A TRIP HAZARD Grind surface level to eliminate tripping Hazard
44	TF/ST	4	STORM INLET GRATE IS NOT FLUSH WITH SURROUNDING WALKING SURFACES AND CONCRETE DELAMINATION Repair
45	LS/ST	5	FULL SECTION OF RAILING LOOSE DUE TO CORROSION OF BAULASTER PIPING AT CONCRETE EMBEDMENT Repair
46	ST	1	COATING ON CONCRETE STEM WALL IS DELAMINATING Rub to remove chipping of flanking concrete
47	LS/TF	2	STAIR TREAD DEPTH VARIES FROM REST IN STAIR (FALL HAZARD) Fill in stair tread
48	LS/TF	4	GAP IN RAILING AND DROP OFF CREATES A POTENTIAL FALL HAZARD Close fencing
49	LS/TF/ST	5	EXPANSION JOINT FOR ELEVATED STADIA IS IN THE MIDDLE OF THE STAIRS (SIGNIFICANT DETERIORATION OF CONCRETE)
50	LS	5	36" TALL OPEN GAURDRAIL extend height 6" Cover expansion joint w/ 1/4 steel plate anchored one side
51	LS/TF	4	RISER HEIGHTS VARY FROM 8" TO 10" IN STAIR NIC
52	LS/ST	4	BROKEN CONCRETE AT GUARDRAIL POST EMBEDMENT Repair
53	LS	3	GUARDRAIL IS 48" ABOVE SEATING, BUT THE CHAINLINK INFILL IS INSTALLED WITH SHARP EGDES UP AND NO BOTTOM RAIL
54	LS	5	EXISTING EXHAUST/GAS FLUES TERMINATE CLOSE TO SEATING Extend flues
55	ST	3	DELAMINATED CONCRETE DUE TO MOISTURE INTRUSION Repair
56			Add cable bottom rail top rail typical

TYPE LEGEND:

TF	TRIP AND FALL CONDITION
ST	STRUCTURAL CONDITION
LF	LIFE SAFETY CONDITION

WEST GRAND STAND

PRELIMINARY

RATING LEGEND:

1	LEAST SEVERE
5	MOST SEVERE

Hale Stadium Structural Review
Tennessee State University
John Merritt Way
Nashville, TN

PROJ NUMBER: 2011171-00
DATE: 4 Jan 2012

HFR DESIGN
ARCHITECTURE
ENGINEERING
PLANNING
INTERIORS

HART FREELAND ROBERTS, INC.
7101 Executive Center Drive
Suite 300
Brentwood, TN 37027
615.370.8500 phone
615.370.8530 fax
www.hfrdesign.com web
Nashville, Tennessee
Jackson, Tennessee
Kansas City, Missouri
Louisville, Kentucky