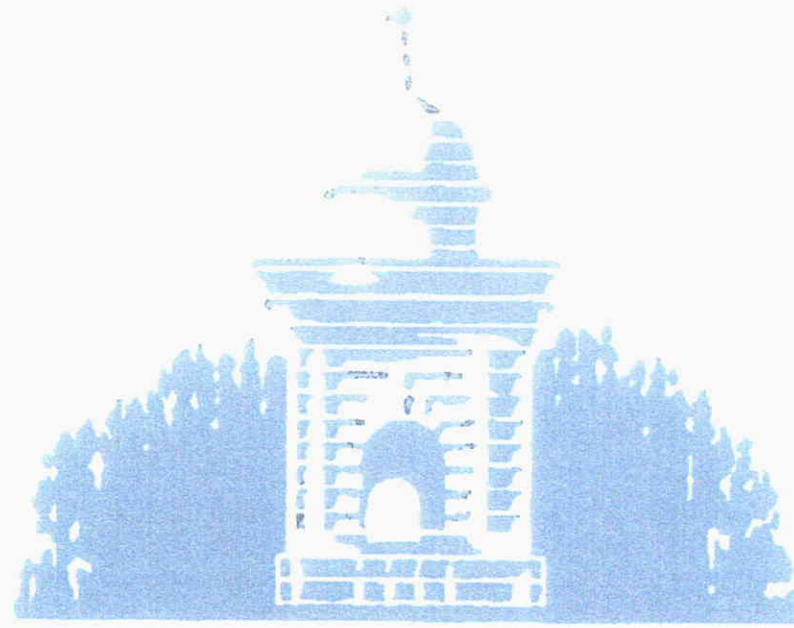


Parking Evaluation and Development Study



Shippensburg
University

A member of Pennsylvania's State System of Higher Education

January 22, 2002

GWSM, inc. Landscape Architects

CONTENTS & INTRODUCTION

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INTRODUCTION

As Shippensburg University increased its student population from 6,676 in the Fall of 1999 to 7,200 in the Fall of 2001, the demand for additional parking also increased. As a result, it became necessary to prepare this Parking Evaluation and Development Study.

The approach to the development of parking in this study corresponds to and compliments the recommendations of the 1998 Facilities Master Plan that established a campus loop road concept with major parking areas located outside of an interior campus "Green Space".

EXISTING PARKING SPACE SUMMARY & EXISTING PARKING DATA COMPARISON CHART



EXISTING PARKING SPACE SUMMARY

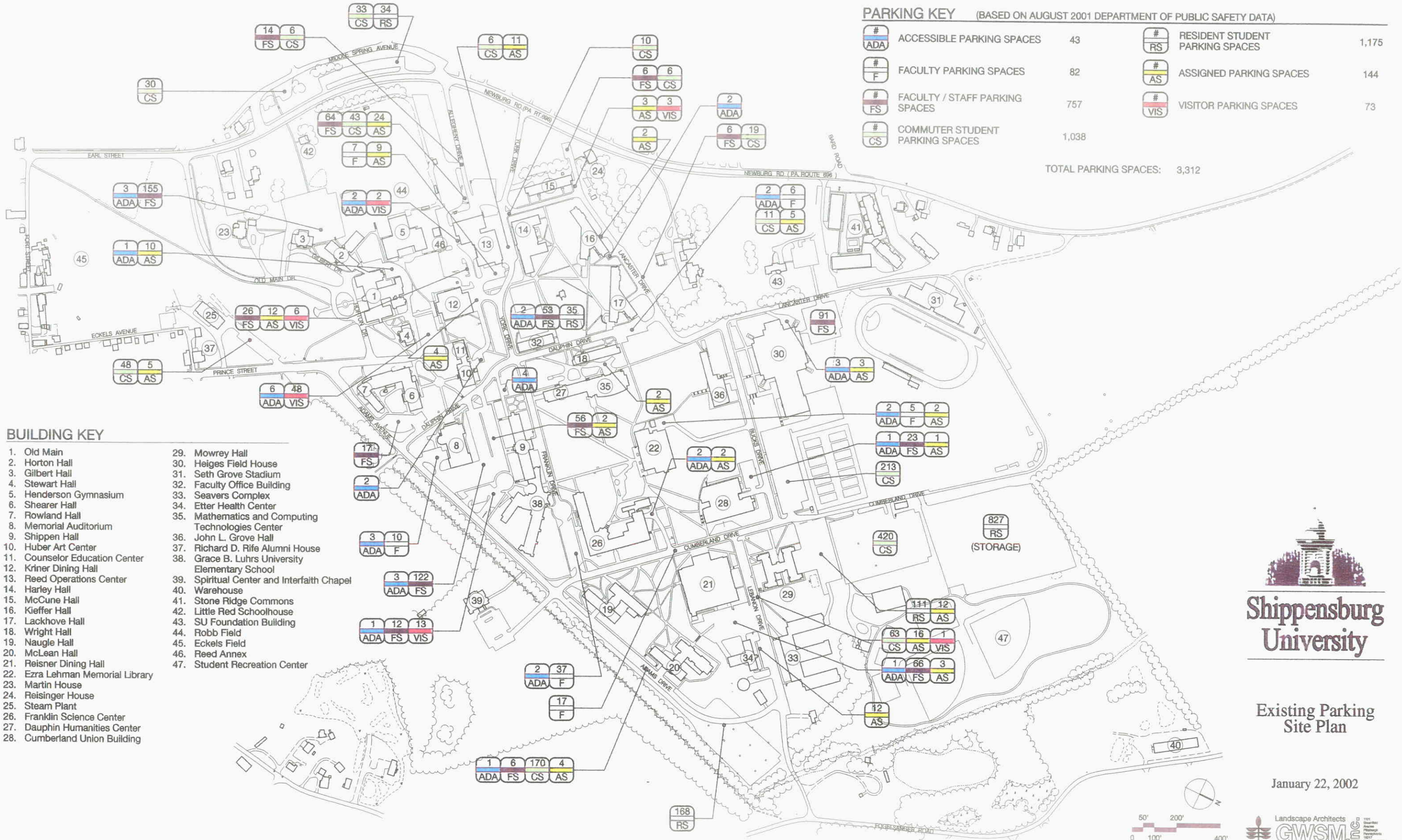
1.	Total University Parking/All Persons		
	<u>Total Spaces</u>	3,312** =	0.40 parking spaces
	Total Headcount	8,232**	per person (deficient)
a.	Design Standard Average*	=	0.35
b.	Design Standard Range*	=	0.15 – 0.60
2.	Faculty, Staff, Administration Parking/All Persons		
	<u>Total F, FS, AS Spaces</u>	983** =	0.95 parking spaces
	Total F, FS, Admin. Headcount	1,032**	per person
a.	Design Standard Average*	=	0.70
b.	Design Standard Range*	=	0.50 – 1.00
3.	Student Parking/All Persons		
	<u>Total Student Spaces</u>	2,213** =	0.31 parking spaces
	Total Student Headcount	7,200**	per person (deficient)
a.	Design Standard Average*	=	0.30
b.	Design Standard Range*	=	0.05 – 0.50
c.	Deficient 200 Resident Student Parking Spaces and 200 Commuter Student Parking Spaces in FY 2001 per Department of Public Safety		

* Statistical Data accepted by the ENO Transportation Foundation,
www.enotrans.com

** Fall 2001

EXISTING PARKING DATA COMPARISON CHART

Campus Population Fall 2001	Parking Space Count Fall 2001	Issued Parking Permit Decals 1999-2000
(Facilities Management & Planning)	(Dept. of Public Safety)	(Dept. of Public Safety Annual Report)
-	ADA	43
Executive/Managerial/ Administrative	45	-
Faculty	380	Faculty
Staff	448	Faculty
-	Faculty/Staff	757
-	Assigned	144
Commuter Student (incl. 1000 Graduate Students)	4,696	Staff
Resident Student	2,504	Faculty/Staff
Grant Funded & Dining Service Employees	159	Assigned
-	Commuter Student	1,038
-	Resident Student	348
-	Storage Student	827
-	Visitor	73
-	Contractor	226
-	Temporary	354
TOTAL	8,232	TOTAL
Total Students, Fall 2001 =	7,200	8,340
		(Deficient 200 Resident Student Parking Spaces and 200 Com- muter Student Parking Spaces)



PARKING KEY (BASED ON AUGUST 2001 DEPARTMENT OF PUBLIC SAFETY DATA)

# ADA	ACCESSIBLE PARKING SPACES	43	# RS	RESIDENT STUDENT PARKING SPACES	1,175
# F	FACULTY PARKING SPACES	82	# AS	ASSIGNED PARKING SPACES	144
# FS	FACULTY / STAFF PARKING SPACES	757	# VIS	VISITOR PARKING SPACES	73
# CS	COMMUTER STUDENT PARKING SPACES	1,038			

TOTAL PARKING SPACES: 3,312

BUILDING KEY

- | | |
|----------------------------------|---|
| 1. Old Main | 29. Mowrey Hall |
| 2. Horton Hall | 30. Heiges Field House |
| 3. Gilbert Hall | 31. Seth Grove Stadium |
| 4. Stewart Hall | 32. Faculty Office Building |
| 5. Henderson Gymnasium | 33. Seavers Complex |
| 6. Shearer Hall | 34. Etter Health Center |
| 7. Rowland Hall | 35. Mathematics and Computing Technologies Center |
| 8. Memorial Auditorium | 36. John L. Grove Hall |
| 9. Shippen Hall | 37. Richard D. Rife Alumni House |
| 10. Huber Art Center | 38. Grace B. Luhrs University Elementary School |
| 11. Counselor Education Center | 39. Spiritual Center and Interfaith Chapel |
| 12. Kriner Dining Hall | 40. Warehouse |
| 13. Reed Operations Center | 41. Stone Ridge Commons |
| 14. Harley Hall | 42. Little Red Schoolhouse |
| 15. McCune Hall | 43. SU Foundation Building |
| 16. Kieffer Hall | 44. Robb Field |
| 17. Lackhove Hall | 45. Eckels Field |
| 18. Wright Hall | 46. Reed Annex |
| 19. Naugle Hall | 47. Student Recreation Center |
| 20. McLean Hall | |
| 21. Reisner Dining Hall | |
| 22. Ezra Lehman Memorial Library | |
| 23. Martin House | |
| 24. Reisinger House | |
| 25. Steam Plant | |
| 26. Franklin Science Center | |
| 27. Dauphin Humanities Center | |
| 28. Cumberland Union Building | |



Existing Parking Site Plan

January 22, 2002



PROJECTED PARKING SPACE NEEDS & CONCLUSION

PROJECTED PARKING SPACE NEEDS

	Existing Population	Projected Population		
	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Student	7,200	7,200	7,200	7,200
Executive/ Man./Admin.	45	45	45	45
Faculty	380	380	380	380
Staff	448	448	448	448
Grant Funded & Dining Service Employees	159	159	159	159
Total Population	8,232	8,232	8,232	8,232
	Parking Fall 2001	Fall 2002	Fall 2003	Fall 2004
Total Existing Spaces Fall 2001 (Deficient 200 Resident Student Parking Spaces and 200 Commuter Student Parking Spaces)	3,312			
Total Spaces Needed (Minimum .45 spaces per person)	3,704	3,704	3,704	3,704*

* Includes the dual use of 1,000 parking spaces designated for Commuter Students and the Instructional Arts Center (2,500 seats, 1 parking space per 2.5 seats).

Design standard formulas specific to Shippensburg University were determined in the process of analyzing the parking space needs.

Total University Parking

Total University Headcount	x	S.U. Specific University Multiplier	=	Total University Parking Space Needs
8,232	x	.45	=	3,704

Total Student Parking

Total Student Headcount	x	S.U. Specific Student Multiplier	=	Total Student Parking Space Needs
7,200	x	.36	=	2,593

CONCLUSION

The Proposed Parking Site Plan on the following page is intended to serve as a flexible guide in meeting the campus parking needs. The actual designation of parking spaces may vary to meet changing conditions on campus. Final designation of parking spaces and phasing needs to be coordinated with the Shippensburg University Facilities Management and Planning and Department of Public Safety.



PARKING KEY

# ADA	ACCESSIBLE PARKING SPACES	51	# RS	RESIDENT STUDENT PARKING SPACES	1,417
# F	FACULTY PARKING SPACES	82	# AS	ASSIGNED PARKING SPACES	114
# FS	FACULTY / STAFF PARKING SPACES	746	# VIS	VISITOR PARKING SPACES	100
# CS	COMMUTER STUDENT PARKING SPACES (1000 DUAL USE WITH IAC)	1,183	# IAC	INSTRUCTIONAL ARTS CENTER (1000 DUAL USE WITH CS)	1000
#	UNDESIGNATED	97	TOTAL PARKING SPACES: 3,790		

BUILDING KEY

- | | |
|----------------------------------|---|
| 1. Old Main | 29. Mowrey Hall |
| 2. Horton Hall | 30. Heiges Field House |
| 3. Gilbert Hall | 31. Seth Grove Stadium |
| 4. Stewart Hall | 32. Faculty Office Building |
| 5. Henderson Gymnasium | 33. Seavers Complex |
| 6. Shearer Hall | 34. Etter Health Center |
| 7. Rowland Hall | 35. Mathematics and Computing Technologies Center |
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| 26. Franklin Science Center | |
| 27. Dauphin Humanities Center | |
| 28. Cumberland Union Building | |

SHORT TERM PRIORITIES

- | | |
|------------------------|---------------------------|
| 1 FS @ SEAVERS COMPLEX | 3 RS @ MIDDLE SPRING AVE. |
| 2 CS @ McCUNE HALL | 4 CS @ HEIGES FIELD HOUSE |



Proposed Parking Site Plan

January 22, 2002

